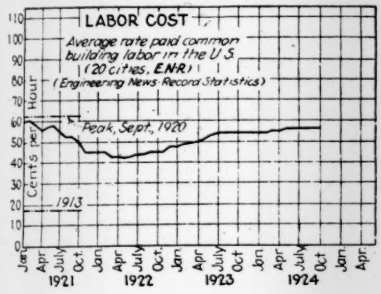
CONSTRUCTION NEWS

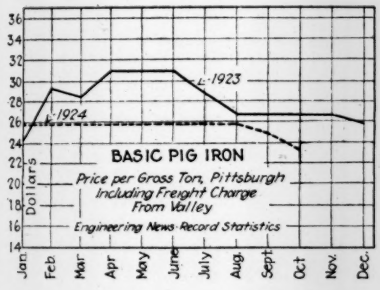
Engineering News-Record, October 2, 1924

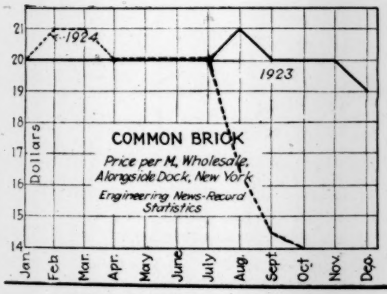
The Construction Barometer

General Price Trend Is Downward—Some Materials, However, Have Developed Firmness During Past Two Weeks

LABOR and cement appear to be the most stabilized of the principal factors entering into construction cost. Fewer wage disputes appear from month to month in the skilled building trades. The average common labor rate, rising from the low point (May, 1922) which followed the 1921 depression, to the July, 1923 level, has not varied more than 2c. per hr. since then. Cement prices, while below the 1923 average have changed but little since January of the current year. Lumber is firmer, particularly fir and the slowdown in brick production will probably exert an upward influence on the price of that commodity. The downward trend in steel which started in March, has not been affected by the abolition of the Pittsburgh Plus.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Sept. 11	$26,691,000	$15,727,000	$42,418,000
Sept. 18	18,270,000	17,463,000	35,733,000
Sept. 25	22,837,000	14,130,000	36,967,000
3 Weeks	$67,798,000	$47,320,000	$115,118,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

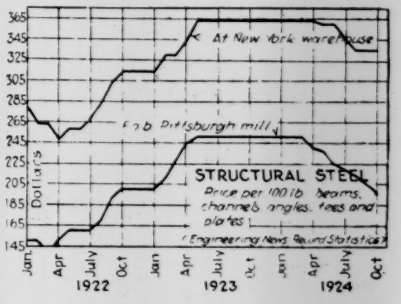
	Commercial				Industrial	
Week Ended	No.	Public Thousand	No.	Private Thousand	No.	Thousand
Sept. 11	14	$5,378	32	$10,831	27	$3,076
Sept. 18	20	6,209	28	12,545	20	4,893
Sept. 25	15	7,461	29	7,884	25	6,246
3 Weeks	49	$19,048	89	$31,260	72	$14,215

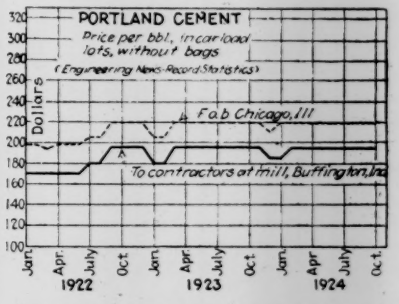
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

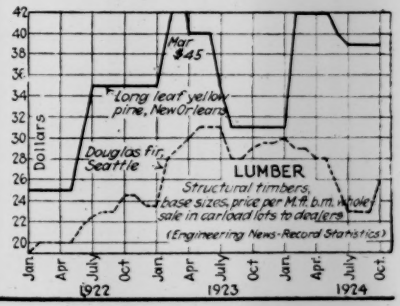
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Sept. 11	25	39	56	33	179
Sept. 18	20	38	38	33	153
Sept. 25	24	31	46	26	149

NO FURTHER DROP IN STEEL, PINE OR FIR DURING PAST TWO WEEKS

	Quoted on Oct. 2 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$1.90 @2.00	$1.90 @2.10	Sept. 18
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	56.00	58.00	Sept. 11
Fir, San Fran., M.ft.	29.00	31.00	Aug. 18
Common labor, hr.	.56	.55	Apr. 2







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 6	New Athens, Ill.	Sept. 18
Oct. 7	Pikeville, Ky. Adv. Sept. 18 to Oct. 2.	Sept. 18
Oct. 7	Gilmer, Tex.	Oct. 2
Oct. 8	Providence, R. I.	Sept. 18
Oct. 9	Rolls, Tex.	Oct. 2
Oct. 13	Mobile, Ala. Adv. Sept. 18 to Oct. 2.	Sept. 18
Oct. 13	Brockport N. Y. Adv. Oct. 2.	Oct. 2
Oct. 13	Mobile, Ala.	Oct. 2
Oct. 14	Fulton, N. Y. Adv. Oct. 2.	Oct. 2
Oct. 20	Cheneyville, La.	Sept. 25
Oct. 21	Eufaula, Ala. Adv. Sept. 18 to Oct. 2.	Sept. 18
Oct. 24	Dallas, Tex.	Oct. 2

SEWERS

Oct. 6	Sarasota, Fla.	Oct. 2
Oct. 6	Mamaroneck, N. Y. Adv. Sept. 25 and Oct. 2.	Oct. 2
Oct. 7	Water Valley, Miss.	Sept. 25
Oct. 7	Columbus, O.	Sept. 25
Oct. 7	Silverton (mail Pleasant Ridge br. Cincinnati P. O.), O. Adv. Oct. 2.	Oct. 2
Oct. 14	Jackson, Tenn. Adv. Oct. 2.	Oct. 2
Oct. 14	Johnstown, Pa. Adv. Oct. 2.	Oct. 2
Oct. 15	Grand Rapids, Mich. Adv. Oct. 2.	Oct. 2
Oct. 20	Hawley, Minn.	Oct. 2
Oct. 20	Watsonville, Pa.	Oct. 2
Oct. 22	Elgin, Ill. Adv. Sept. 25 and Oct. 2.	Oct. 2

WASTE DISPOSAL

Oct. 10	Austin, Tex.	Oct. 2

BRIDGES

Oct. 6	New Jersey	Sept. 18
Oct. 7	Audubon, Ia.	Oct. 2
Oct. 8	Long Branch, N. J. Adv. Sept. 18 to Oct. 2.	Sept. 18
Oct. 8	Alabama	Sept. 25
Oct. 8	Missouri	Oct. 2
Oct. 9	Flemington, N. J.	Sept. 18
Oct. 17	Arkansas	Oct. 2
Oct. 22	Dodge City, Kan.	Oct. 2
Oct. 29	Kentucky	Oct. 2

EXCAVATION, DRAINAGE IRRIGATION

Oct. 6	Cape Girardeau, Mo.	Sept. 25
Oct. 6	Norman, Okla.	Oct. 2
Oct. 7	Lake Charles, La.	Aug. 21
Oct. 7	Albert Lee, Minn.	Oct. 2
Oct. 14	Massachusetts	Aug. 7
Oct. 20	Peru, Ind	Sept. 25

Bids Close		See Eng. News-Record

STREETS AND ROADS

Oct.	6 Greensburg, Pa.	Sept. 18
Oct.	6 Valley City, N. D.	Sept. 25
Oct.	6 Hattiesburg, Miss.	Sept. 25
Oct.	6 Wetumka, Okla.	Oct. 2
Oct.	6 San Antonio, Tex.	Oct. 2
Oct.	6 Waterloo, Ia.	Oct. 2
Oct.	7 Phila., Pa.	Oct. 2
Oct.	7 Washington	Sept. 4
Oct.	7 Bay St. Louis, Miss.	Sept. 25
Oct.	7 Mayersville, Miss.	Sept. 25
Oct.	7 St. Paul, Minn.	Sept. 25
Oct.	7 Bartow, Fla.	Sept. 25
Oct.	7 Tampa, Fla.	Sept. 25
Oct.	7 New York, N. Y.	Oct. 2
Oct.	7 Michigan	Oct. 2
Oct.	8 Alabama	Sept. 25
Oct.	8 Brenham, Tex.	Sept. 25
Oct.	8 Michigan	Oct. 2
Oct.	8 Missouri	Oct. 2
Oct.	8 Greenville, S. C.	Oct. 2
Oct.	9 Napoleon, N. D.	Sept. 25
Oct.	9 Garfield Heights (Cleveland P. O.), O.	Oct. 2
Oct.	9 Louisiana	Oct. 2
Oct.	9 Michigan	Oct. 2
Oct.	10 Peekskill, N. Y.	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	10 Palo Pinto, Tex.	Sept. 25
Oct.	10 Canadian, Tex.	Sept. 25
Oct.	13 Waco, Tex.	Sept. 18
Oct.	13 Seabring, Fla.	Oct. 2
Oct.	13 Houston, Tex.	Oct. 2
Oct.	14 Pennsylvania	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	14 North Platte, Neb.	Oct. 2
Oct.	14 Pennsylvania	Oct. 2
Oct.	15 Delaware	Oct. 2
	Adv. Oct. 2.	
Oct.	20 San Anselmo, Calif.	Oct. 2
Oct.	20 Austin, Minn.	Sept. 25
Oct.	27 Wichita Falls, Tex.	Oct. 2
Oct.	29 Faribault, Minn.	Sept. 25
Oct.	29 Kentucky	Oct. 2
Nov.	11 Michigan	Oct. 2

BUILDINGS—INDUSTRIAL

Oct.	8 Detroit, Mich.	Oct. 2
Oct.	8 Rocky Mount, N. C.	Sept. 18

BUILDINGS—COMMERCIAL

Oct.	3 East Boston (Boston P. O.), Mass.	Sept. 25
Oct.	3 Seward, Neb.	Sept. 25
Oct.	3 Canton, O.	Oct. 2
Oct.	4 Dallas, Tex.	Sept. 4
Oct.	6 Ansonia, Conn.	Oct. 2
Oct.	6 Marysville, Mo.	Oct. 2
Oct.	6 Newark, N. J.	Oct. 2
Oct.	6 Waterloo, Ia.	Oct. 2
Oct.	7 St. Paul, Minn.	Oct. 2
Oct.	7 Lynn, Mass.	Oct. 2
Oct.	7 Atlantic City, N. J.	Oct. 2
Oct.	7 Norwich, Conn.	Sept. 25
Oct.	8 Detroit, Mich.	Oct. 2
Oct.	8 Phila., Pa.	Oct. 2
Oct.	8 Racine, Wis.	Oct. 2
Oct.	8 North Tonawanda, N. Y.	Sept. 18
Oct.	8 Mobile, Ala.	Sept. 25
Oct.	8 Covina, Calif.	Sept. 25
Oct.	9 Cleveland O.	Oct. 2
Oct.	10 Cleveland, O.	Oct. 2
Oct.	10 Minneapolis, Minn.	Sept. 25
Oct.	10 Glendale, Calif.	Oct. 2
Oct.	11 Groton, Conn.	Aug. 7
Oct.	15 Germantown (Phila. P. O.), Pa.	Oct. 2
Oct.	21 Rome, N. Y.	Oct. 2
Oct.	21 Brooklyn, N. Y.	Oct. 2
Oct.	28 Carbondale, Ill.	Oct. 2

FEDERAL GOVERNMENT WORK

Oct.	3 Dredging — Providence, R. I.	Sept. 4
Oct.	6 Dredging — New York, N. Y.	Sept. 11
	Adv. Sept. 25 and Oct. 2.	
Oct.	6 Building — Steubenville, O.	Sept. 11
Oct.	6 Road—Arkansas	Sept. 25
Oct.	7 Administration—Walla Walla, Wash.	Sept. 18
Oct.	7 Foundry — Palo Alto, Calif.	Sept. 18
Oct.	7 Walks—Northampton, Mass.	Oct. 2
Oct.	7 Cement—Florence, Ala.	Oct. 2
Oct.	8 Dredging—Phila., Pa.	Sept. 18
Oct.	8 Building—Pittsburg, Tex.	Sept. 11
Oct.	9 Underground Passage—New York, N. Y.	Sept. 25
Oct.	10 Post Office—Cherokee, Ia.	Sept. 18
Oct.	10 Sewer—Fort Hamilton (Brooklyn P. O.), N. Y.	Oct. 2
	Adv. Oct. 2.	
Oct.	13 Boiler House and Equipment —Phila., Pa.	Oct. 2
Oct.	13 Boiler House—Philadelphia, Pa.	Oct. 2
	Adv. Oct. 2.	
Oct.	14 Roads and Walks—Knoxville, Ia.	Sept. 25
Oct.	14 Levee—Vicksburg, Miss.	Oct. 2
Oct.	15 Electric Elevators—Florence, Ala.	Oct. 2
	Adv. Oct. 2.	
Oct.	15 Snag Boat—Montgomery, Ala.	Sept. 4
Oct.	15 Sewer—Quantico, Va.	Sept. 25
Oct.	16 Pumps—Reedy Island, Del.	Oct. 2
Oct.	17 Dredging, etc.—Ohio	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	18 Boiler House, etc.—Ft. Sill, Okla.	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	20 Dam — American Falls, Idaho	Sept. 18
Oct.	21 Barges—Memphis, Tenn.	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	21 Buildings — Rutland, Mass.	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	22 Jetty Repairs—Galveston, Tex.	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	22 Barges — Memphis, Tenn.	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	25 Steel Lock Gates—Pittsburgh, Pa.	Oct. 2
	Adv. Oct. 2.	
Oct.	31 Breakwater — Rockland, Me.	Oct. 2
	Adv. Oct. 2.	

UNCLASSIFIED

Oct.	4 Heating and Plumbing — Quebec, Que.	Oct. 2
Oct.	6 Swimming Pool—Mt. Pleasant N. Y.	Oct. 2
	Adv. Oct. 2.	
Oct.	6 Playground — New York, N. Y.	Oct. 2
Oct.	6 Plumbing, etc.—St. George, N. Y.	Oct. 2
Oct.	6 Plumbing, etc.—Auburndale (Flushing P. O.), N. Y.	Oct. 2
Oct.	6 Plumbing — New York, N. Y.	Oct. 2
Oct.	8 Heating System, Boiler, etc. —Willard, N. Y.	Sept. 25
	Adv. Sept. 25 and Oct. 2.	
Oct.	10 Subway Structure, Alterations, etc.—New York, N. Y.	Oct. 2
Oct.	14 Wharf—Miguasha, Que.	Oct. 2.
Oct.	20 Flood Control—Peru, Ind.	Sept. 18
Oct.	21 Subway—Phila., Pa.	Sept. 18
	Adv. Sept. 18 to Oct. 2.	
Oct.	21 Plumbing, etc.—Brooklyn, N. Y.	Oct. 2
Oct.	28 Heating and Ventilating System—St. Louis, Mo.	Oct. 2
Oct.	29 Pavilion, etc.—Bellefonte, Pa.	Oct. 2
Nov.	6 Caissons—Esquimalt, B. C.	Oct. 2

MATERIAL AND EQUIPMENT

Oct.	3 Rails, etc.—New York, N. Y.	Sept. 25
Oct.	6 Tractors—St. Paul, Minn.	Oct. 2
Oct.	7 Paving Material—St. Paul Minn.	Oct. 2
Oct.	11 Cement—Merced, Calif.	Oct. 2
Oct.	14 Tractor—Cuero, Tex.	Oct. 2
Oct.	15 Grader and Scarifier— San Antonio, Tex.	Sept. 25
Oct.	16 Turbines—Merced, Calif.	Oct. 2
Oct.	20 Insulators—Melbourne, Victoria, Australia	Aug. 14
Nov.	24 Cable, etc. — Melbourne, Australia	Sept. 11
Oct.	30 Tractor—San Antonio, Tex.	Oct. 2
Dec.	1 Transformers, etc. — Melbourne, Australia	Sept. 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn. Bristol—Plans mains from Fitzpatrick Spring on Terryville Rd. to lagoon. $15,000. C. W. Buell, city engr.

Conn., Bristol—Plans extending about 5,000 ft. mains in Pine St. and Overlook Ave. C. B. Buell, city engr.

N. C., Greensboro — Making plans and takes bids about Nov. 21, water and sewerage systems. $75,000 bonds recently voted. Spoon & Lewis, 407-8-9 Amer. Bank Bldg., consult. engrs.

O., Cleveland—Plans water [illegible] under Cuyahoga River, near Harvard-Denison Bridge. $125,000. A. V. Ross, City Hall, engr.

Mich., Detroit—Bd. Water Comrs., 232 East Jefferson Ave., plans 30,[illegible] ft. 6, 8 and 12 in. mains in various streets. G. Jerome, city engr.

Mich., Detroit—Bd. Water Comrs., plan 8,354 lin.ft. 6 to 12-in. c.i. mains in Mayfield, Linnhurst Holmur, Petoskey, Maple Ridge and Hubbell Aves. G. H. Fenkell, 232 East Jefferson Ave., genl. engr.

Ill., Woodriver—Election Oct. 4, $50,000 bonds waterworks improvements, incl. 2 deep wells, 2 pumps, Diesel engine, 250,000 gal. tank on tower, 4 and 6 in. distribution mains, etc. Noted July 24.

Wis., Park Falls—See "Dams."

Kan., Westmoreland—Election soon $23,000 bonds waterworks and distribution system, 4 and 6 in. mains, etc. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Mo., Bloomfield — Making preliminary plans complete waterworks, incl. tank on tower, pumps, hydrants, valves, distribution mains, etc., also system of sanitary and storm sewers. $75,000. J. P. Davis, Central Trust Bldg., Jefferson City, engr.

Tex., Celina — Election Oct. 7, $40,000 bonds waterworks. J. E. Ousley, mayor.

Tex., Greenville—Making plans impounding reservoir, spillway, intake, pipe line, filtration plant, pumping machinery and extensions to distribution system. $350,000. Elrod Eng. Co., Interurban Bldg., Dallas, engrs.

Tex., Port Lavaca—Election Oct. 4, $48,000 bonds waterworks system. Address Mayor.

Tex., Port Lavaca—Election soon $40,000 bonds new waterworks. Engineer not selected.

Tex., Trinity—Election Oct. 6, $42,500 bonds waterworks improvements. W. W. Murray, mayor.

Okla., Durant—Election soon $50,000 bonds for water softening plant, main extensions, etc.

Okla., Durant—Election Oct. 21, $53,000 bonds waterworks improvements. J. Finney, Mayor.

Okla., Quinton—Election Nov. 4, $15,000 bonds new purification plant, 60 sq.yd. concrete, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 14.

Que., Deschaillons—Plans pumping station. $15,000. Engineer's name withheld.

Que., St. Gregoire—Plans timber aqueduct and pumping station. $25,000. B. Rouleau, mayor. Engineer's name withheld.

BIDS DESIRED

N. Y., Fulton — Oct. 14, by Common Council 6 pumps with motor, etc. Hazen & Whipple, 25 West 43rd St., New York City, civil engrs.; adv. E. N.-R. Oct. 2.

Ala., Mobile—Oct. 13, by City Clerk, c.i. pipe, hydrants, valves, etc., in various streets. W. Smith, city engr. Noted Sept. 25.

Tex., Dallas—Oct. 24, by M. G. James, city secy., c/o City Hall, 23 m.g. pump at Cadiz St. E. A. Kingsley, city engr.

Tex., Ralls—Oct. 9, by W. B. Winters, city secy., City Hall, 2,350 ft. 8 in., 5,050 ft. 6 in., 15,220 ft. 4 in., 8,510 ft. 2 in. c.i. pipe, three 8 in. gate valves, etc., also 50,000 gal. steel and 50,000 gal. concrete tanks. $70,000. Montgomery & Ward, Wichita Falls, engrs. Noted Sept. 18.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co., 5,800 ft. 12 in. c.i. mains in Mastick Rd., from Langahan Constr. Co., Marshall Bldg., $29,915. Noted Sept. 11.

CONTRACTS AWARDED

Conn., Rainbow — Stevens Paper Mills Co. erecting tank, etc., to Chicago, Bridge and Iron Wks., 608 South Dearborn St., Chicago, Ill.; sprinkler system, etc., to Rockwood Sprinkler Co., 141 Milk St., Boston, Mass. Engrs. est. $25,000.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Chittenden Ave., West 146th St. and Dongan Pl., to Wataga Contg. Co., 308 Lenox Ave. $8,100. Noted Sept. 25.

N. J. Keansburg—Boro. Council, improving waterworks, sinking 3 wells, to Layne & Bowler, 50 Church St., New York City, $16,525; laying c.i. mains, pumping station, filters, etc., to Spiniello Constr. Co., 187 Market St., Newark, $170,399. Noted Aug. 7.

N. J., Quinton—W. B. Dunn, Salem, city recdr., installing 2 m.g. pumping station, incl. oil burning engine, power pump, etc., here, to Fairbanks-Morse Co., 30 Church St., New York City, $22,850. Noted July 31 under "Salem."

Waterworks (Continued)

O., Cincinnati—Hamilton Co., 26,710 ft. 4- to 12-in. c.i. mains in Water Supply Line 4, Dist. 1, Fairfax and Madison Heights, to M. J. Connelly, Sr., 326 West Oak St., Ludlow, Ky., $54,391, engrs. est. $69,482; 53,415 ft. 4- to 16-in. c.i. mains in Water Supply Line 2, Dist. 1 at Deer Park, to Crumley, Jones & Crumley, 2301 Concord St., $114,238, engrs. est. $136,253. Noted Sept. 25.

O., Cleveland—Cuyahoga Co., 33,000 ft. 6- to 12-in. c.i. mains in Impvt. 60, to Kossouff & Co., 3182 West 25th St., $105,-879. Noted Sept. 25.

O., Shaker Heights (Cleveland P. O.)—For c.i. mains in Toland, Brantley, Claythorne and Townley Rds., to Hanna & Michael, Erie Bldg., Cleveland, $22,224. Noted Sept. 25.

Mich., Ecorse (Detroit P. O.)—Detroit Ecorse Land Co., 32,240 ft. 6 and 8 in. c.i. mains in Oakwood Heights Subdivision, to W. Blanck & Co., 40 Seven Mile Rd. E., Detroit, $62,000.

Wis., Wauwatosa—Bd. Pub. Wks., 6 and 8 in. c.i. mains in Powell Pl., 8th, 9th, 10th, and 11th Aves., to H. Hohensee, Ludington Ave., $15,132.

Ia., Valley Junction—For 11,818 ft. 4 and 6 in. class C pipe, to Wicks Constr. & Eng. Co., Des Moines, $14,821.

Kan., Riley—For 10,908 ft. 4- to 8-in. c.i. pipe, 3½ tons specials, 4,500 ft. 2 in. galvanized pipe, 2 in. fittings, 10 hub and gate valves 20 hydrants, etc., to Reed & Wheelock, Clay Center, deep well pump and 7½ hp. motor, to E. C. Archibald, 2200 Ave. A, Council Bluff, Ia.; 50,000 gal. tank on tower to Chicago Bridge & Iron Wks., 608 South Dearborn St., Chicago, Engrs. est. $31,000. Noted May 1.

Mont., Dillon—Laying about 5 mi. pipe line between intake and reservoir, to E. Linstrom, 1040 North 31st St., Billings, $17,765.

Tex., Austin — Sedimentation basin to present filtration plant at mouth Shoal Creek, to J. F. Johnson, 509 East 3rd St., $25,046. Engrs. est. $26,000.

Tex., Port Arthur—For 20,000 g.p.m. motor driven pump, to H. A. Paine, H. L. & T. Bldg., Houston, $6,591.

Okla., Seminole—New waterworks system, incl. well, tank, valves, 3,700 ft. 4 and 6 in. c.i. mains, etc., to N. S. Sherman Machine & Iron Wks., 18 East Main St., Oklahoma City. $39,000. Engrs. est. $44,-000. Noted Sept. 12.

Que., St. Joseph d'Alma—Complete aqueduct system by gravity from lake, 14- to 20-in. wood stave pipe, etc., to Bourassa & Clifford Co., Ltd., St. Antoine St., Three Rivers, $225,000.

Sewers

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans sewerage works in Hallowell St., Lenoxdale and Myrtlebank Aves., here. $25,000. J. A. Rourke, comr.

Mass., West Roxbury (Boston)—Dept. Pub. Wks., Boston, plans sewerage works in Newfield, Lasell and Washington Sts., here. $25,000. J. A. Rourke, comr.

R. I., Pawtucket—Plans sewers in several streets. $85,000.

Tenn., Mt. Pleasant—Election soon $50,-000 bonds for sewerage system. Engineer not selected.

O., Alliance—See "Streets and Roads."

O., Ashtabula—Made plans 15,000 ft. 15- to 36-in., vitr. clay, rein.-con. or segmental block, sewer on West Side, $150,000. G. B. Gascoigne, 648 Leader News Bldg., Cleveland, engr.

O., Cleveland—Making plans new sewage disposal plant, Willow St. $3,500,000. G. B. Gascoigne, 648 Leader-News Bldg., sanitary engr.

O., Dayton—Plans election in November, $300,000 bonds constructing several concrete or segmental block sewers. J. F. Hale, city engr.

O., Dayton—G. L. Baker, dir. Pub. Serv., plans sewage disposal plant within next year. $3,000,000. Metcalf & Eddy, Boston, Mass., consult. engrs.

O., Mansfield—Plans 15 in. storm sewer in Wood St., etc. To exceed $25,000.

O., Mansfield—Plans 20 in. storm sewer in Miller St., etc., $20,000-$25,000.

Mich., Detroit—Dept. Pub. Wks. made plans 3,657 ft. concrete or brick sewer in Gratiot Ave. Arm of Bradford Ave. Sewer, and 3,455 ft. Southampton Arm of Newport Ave. Sewer. G. Jerome, city engr.

Wis., North Milwaukee—W. E. Chase, city clk., soon takes new bids 5,861 lin.ft. 36, 42 and 48 in. vitr. or concrete storm sewers in Cedarburg Rd., 33rd St., Wallace and Sheridan Aves. $40,000. Former bids rejected. H. C. Webster, 216 West Water St., Milwaukee, engr. Noted Aug. 28.

Ia., Vinton—Making plans sewage disposal plant. $45,000. M. Tschirgi & Sons, 712 Amer. Trust Bldg., Cedar Rapids, engrs.

Mo., Springfield—See "Waterworks."

Tex., Gilmer—L. G. Martin, city secy., City Hall, soon takes bids 21,500 ft. 6 in. and 8,000 ft. 8 in. sewer tile No. 1, 26 manhole rings and covers. Municipal Eng. Corp., Praetorian Bldg., Dallas, engrs.

Tex., Trinity — Election Oct. 6, $35,000 bonds, new sewerage system, mains, laterals and disposal plant. F. J. Von Zuben, Ellison Bldg., Ft. Worth engr.

Okla., McAlester—Plans 15,000 ft. 8- to 12-in. vitr. clay sewers in 3 mi. various alleys in Dist. 47. $30,000. F. Fraser, McAlester, engr.

Calif., Oakland — Made plans removing 1,018 lin.ft. existing sewer and constructing 1,118 lin.ft. 10 and 12 in. vitr. sewer in 11th St., between Wood and Peralta Aves.; 700 lin.ft. 8 in. vit. sewer, etc. in portions of Calaveras Ave. etc. W. W. Harmon, city engr.

Calif., Tulare—"Streets and Roads."

Ont., Windsor—Plans sewers in section south of Tecumseh Rd., $40,000. M. E. Brian, City Hall, engr.

BIDS DESIRED

N. Y., Mamaroneck—Oct. 6, by Bd. Village Trustees, completing sewer on Harbor Island, near Disposal Works. J. M. Duffy, 33 East Post Rd., engr.; adv. E. N.-R. Oct. 2.

Pa., Johnstown — Oct. 14, by M. L. Masterton, supt. Streets & Pub. Impvts., sanitary sewers; adv. E. N.-R. Oct. 2.

Pa., Watsontown — Oct. 20, by G. W. Radel, secy. Boro Council, sewers in Pennsylvania Ave., Matthew, 8th and South Main Sts., 1,793 ft. 8 in. terra cotta pipe in place on one job, 1,450 ft. 8 in. terra cotta in second job and 816 ft. 8 in. terra cotta pipe in third line. $30,000.

Fla., Sarasota—Oct. 6, by J. R. Brumley, comr. Pub. Wks. Dept., remodeling septic tanks, installing pump in same, 3 screens, etc., laying, 7,600 ft., 10- to 12-in., force mains and all fittings. $50,000.

Tenn., Jackson—Oct. 14, by C. E. Griffin, comr. Pub. Utilities, sanitary and outfall sewers. E. R. Dike, city engr.; adv. E. N.-R. Oct. 2.

O., Silverton (mail Pleasant Ridge br. Cincinnati P. O.) — Oct. 7, by Comrs. Hamilton Co. (Cincinnati), Sewer 1 for Dist 1, here, 41,280 ft. 6- to 12-in. vitr. clay, 30 cu.yd. concrete, etc. $106,096. L. C. Boyatt, Court House, Cincinnati, engr. Former bids rejected. Noted Aug. 21.

Mich., Grand Rapids—Oct. 15, at office Director Pub. Serv., City Hall, constructing sewer in Carlton-Lake Drive Project, Contr. F-3. F. H. Locke, city mgr.; adv. E. N.-R. Oct. 2.

Ill., Elgin — Oct. 22, by Bd. Trustees Sanitary Dist., 12 Spurling Block, sewer along Fox River, tributary sewers, etc. E. N. Herbster, pres.; adv. E. N.-R. Oct. 2. Noted Sept. 25.

Minn., Hawley—Oct. 20, by J. E. Johnson, city clk., 8- to 12-in. vitr. tile sewers, manholes, etc. Former bids rejected. $25,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, consult. engrs. Noted Sept. 11.

Tex., Luling — M. Greenwood, mayor, taking bids complete sewerage system and disposal plant. $40,000. Koch & Fowler, Central Bank Bldg., Dallas, engrs.

Calif., Glendale—See "Streets and Roads."

BIDS RECEIVED

Mass., South Boston (Boston P. O.)—Dept. Pub. Wks., Boston, sewerage works in Brimford St., here, from V. Barletta, 10 Whipple Ave., West Roxbury, $17,024. Engrs. est. $25,000.

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., City Hall, Boston, sewerage works in Stellman Rd., and Private Land, here, from Vozzella & Caponi, 37 Auburn St., $35,272.

Pa., Phila.—Dept. Pub. Wks., Ithan St. sewer extension to city line, and Government Ave. sewer extension to remove discharge from Back Channel east of Broad St., from J. Lombardi, 601 Lincoln Bldg., $74,221 and $46,305 respectively; intercepting sewer along Pennypack Creek from point 180 ft. southeast of Frankford Ave. to point 843 ft. northwest of Welsh Rd., from Ryan Constr. Co., Real Estate Trust Bldg., $429,710; heating equipment in connection with outfall pier north east Sewerage Treatment Works, at Wheatsheaf Lane and Delaware River from Bulman Bros., 2501 North 5th St., $2,666 electrical equipment for same, from W. V. Pangborne, 1927 West Montgomery St., $8,400. Noted Sept. 25.

O., New Philadelphia—Sanitary sewerage system in south side from Briar Hill Constr. Co., Youngstown, $36,773. Engrs. est. $45,-895. Noted July 10.

Mo., St. Louis — Sewers in Werne Ave. Pub. Relief Sewer, 700 ft. 15 ft., rein.-con. horseshoe; 3,050 ft. 13 ft. concrete horseshoe or 12 ft. brick, 230 ft. 6- to 21-in. vitr. clay pipe, from Blackburn & Crean, Chouteau Trust Bldg., $316,928, engrs. est. $358,000; Rocky Branch Sewer 1, 3,800 ft. 8 x 9 x 11 ft. rein.-con. horseshoe, 8,760 ft. 3 to 7 ft. in diam., brick or segmental block, 3,640 ft. 27- to 39-in. vitr. clay brick or segmental tile, and 13,475 ft. 6- to 24-

WATERWORKS—STAUNTON, VA.

Following are lowest three bids opened by city, Aug. 22, for North River Extension to waterworks, Contr. No. 1, dam, (A) P. G. Ligon, 200 East Lexington St., Baltimore, (awarded contract), (B) Haley, Chisholm & Morris, Charlottesville, (C) Clark & Lewis, Luray; Contr. No. 2, tunnel, (A) P. G. Ligon, (awarded contract), (B) Haley, Chisholm & Morris, (C) The Mason Co., Louisville, Ky.; Contr. No. 3, 15 mi. c.i. pipe, (A) Pace Constr. Co., Roanoke, (awarded contract), (B) The Mason Co., (C) P. G. Ligon; Contr. No. 4, distribution reservoir (contract not yet awarded), (A) The Mason Co., (B) Pace Constr. Co., (C) James & Guy, Victoria. The unit bids were as follows:

	A	B	C
Contract No. 1—Storage Dam and Head works:			
1,000 cu.yd. earth excavation	$2.50	$0.90	$1.50
550 cu.yd. rock excavation	5.00	3.50	5.00
8,000 cu.yd. concrete masonry	16.50	17.75	18.00
1,000 lb. steel reinforcement	.10	.10	.10
Appurtenances (lump sum)	1,500.00	3,000.00	500.00
Extended totals	$138,850	$147,925	$148,850
Contract No. 2—Tunnel:			
300 cu.yd. earth excavation, open cut	$1.50	$0.90	$2.00
200 cu.yd. rock excavation, open cut	5.00	2.50	5.00
4,200 ft. unlined tunnel, no timbering	28.00	31.00	39.00
1,500 ft. unlined tunnel, timbered	47.00	41.00	49.00
100 ft. tunnel lining (concrete)	25.00	25.00	25.00
Extended totals	$192,050	$194,970	$241,400
Contract No. 3—Pipe Line and Appurtenances:			
22,400 cu.yd. earth excavation	$1.15	$0.90	$1.75
4,300 cu.yd. rock excavation	4.00	3.50	5.50
72,000 ft. laying 16-in. C.I. pipe (lead joints)	.89	1.00	1.05
200 ft. laying 6-in. C.I. pipe (lead joints)	.40	1.00	.35
30 tons placing valves and specials (lead joints)	35.00	70.00	41.00
72,000 ft. alt.: laying 16-in. pipe (leadite joints)	.74	.97	.80
200 ft. alt.: laying 6-in. pipe (leadite joints)	.35	.97	.30
30 tons alt.: valves and specials (leadite joints)	30.00	70.00	39.00
300 ft. river and stream crossings	10.00	2.00	3.00
30 cu.yd. concrete	25.00	25.00	20.00
100 sq.yd. paving	2.50	5.00	1.00
Extended totals (lead joints)	$112,170	$111,360	$141,350
Extended totals (leadite joints)	101,210	109,194	123,180
Contract No. 4—Distribution Reservoir:			
7,400 cu.yd. earthwork (at reservoir)	$1.00	$0.95	$0.65
6,300 cu.yd. earthwork (borrow pit)	1.00	.85	.70
1,000 cu.yd. additional haul	.05	.03	.05
1,800 cu.yd. rock excavation	3.00	2.25	2.00
650 cu.yd. concrete masonry	20.00	24.50	35.00
40,000 lb. steel reinforcement	.08	.08	.10
Extended totals	$35,350	$35,590	$39,620

Sewers (Continued)

in. vitr. clay pipe, from F. A. Stiers, 4500 Enright Ave., $664,289, engrs. est. $578,000.

Wash., Yakima—Bd. Pub. Wks., Sept. 9, 4 mi. sewers in Nob Hill Dist., from Oregon Constr. Co., Portland, Ore., asphalt joints, $45,255 and cement joints, $43,408. Engrs. est. $72,050. Noted July 10.

CONTRACTS AWARDED

N. Y., Albany—Extending Patroon Creek Sewer under Mereline Ave., to J. W. Holler Inc., Albany, $59,087. Engrs. est. $75,000.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., storm sewer in East Houston St., to T. A. Reilly Co., 48 East 41st St., $7,370, and in Park Terrace W., to J. V. Timoney Constr. Co., 220 East 201st St., $7,044. Noted Sept. 18.

Md., Baltimore—Bd. Awards, drains and appurtenant structures, near Baker and Dukeland Sts., Storm Water Contr. 73, to Continental Contg. Co., Knickerbocker Bldg., $12,656; also in California Blvd., Brightwood, Hamilton, Latonia and Gibbons Aves., Storm Water Contr. 76, to A. J. Boyle, Amer. Bldg., $61,478. Noted Sept. 25.

N. C., Elm City — See "Streets and Roads."

N. C., Freemont — See "Streets and Roads."

Ala., Birmingham — Constructing 10 blocks storm sewers in Spring St., and for 5 blocks in 40th and 42nd Sts., to Wood, Rucker Constr. Co., Amer. Trust Bldg., $143,144. Engr. est. $145,000. Noted Sept. 11.

O., Cincinnati—Hamilton Co., 29,775 ft. 6 and 8 in. vitr. clay sewer in Dist. 1, Sewer 2, Fairfax, Madison Heights and Homer Ave., to M. J. Connelly, Sr., 326 West Oak St., Ludlow, Ky., $47,255. Engrs. est. $74,709. Noted Sept. 25.

O., Lyndhurst (Cleveland Heights P. O.)—Vitr. clay sewers in Eastover and Sunview Rds., to A. Marra Constr. Co., Ulmer Bldg., Cleveland, $28,935. Noted Sept. 11.

O., Shaker Heights (Cleveland P. O.)—Vitr. clay sewers in Toland, Brantley, Claythorne and Townley Rds., to Hanna & Michael, Erie Bldg., Cleveland, $42,594. Noted Sept. 25.

Mich., Detroit—Dept. Pub. Wks., to J. Ponterelli & Visco, 1974 Hale St., 3,723 ft. Sewer 4208 $8,262, 7,764 ft. Sewer 4211 $17,293; to S. Healy, 6466 Epworth Blvd., 3,691 ft. Sewer 4214 $11,500; 1,820 ft. Sewer 4226 $3,750, 1,818 ft. Sewer 4234 $3,760; to P. Cappello, 2255 St. Joseph St., 801 ft. Sewer 4221 $2,300; to C. R. Lennane & Co., 2631 Woodward Ave., 12,121 ft. Sewer 4224 $51,029, all vitr. crock pipe with brick and concrete manholes.

Mich., Ferndale—C. H. Peterson, village mgr., 1,628 ft. 30 in. Trunk Line Sewer 1, in Eight Mile Rd., and 1,910 ft. 33 and 36 in. Trunk Line Sewer 3, in Lewiston, Gainsboro and Woodward Aves., to W. Blanck & Co., 40 Seven Mile Rd. E., $44,644 and $27,669 respectively.

Mich., Port Huron—For 13,795 ft. 12- to 72-in. sewer in North End Sanitary Sewer Dist. with laterals in Garfield and Hancock Sts., to J. Brogan & Sons, Green Bay, Wis., $164,748.

Ia., Schelswig—Sewer mains and disposal plant, to W. B. Carter, Sioux City, about $40,000.

S. D., Salem—Sewage disposal plant, 470 ft. 10 and 20 in. sewers, etc., to McHose, Sand & Tile Co., Boone, Ia.

Ark., Ft. Smith — See "Streets and Roads."

Okla., Cushing—For 20,768 ft. vitr. and c.i. sewers, 2 disposal plants, Imhoff tanks, etc., to Benson & Farrar Constr. Co., 120 South 2nd St., Guthrie. Engrs. est. $106,000. Noted Sept. 4.

Calif., San Francisco—Bd. Pub. Wks., 531 lin.ft. 2 ft. 6 in. x 3 ft. 9 in., and 1,347 lin.ft. 2 x 3 ft. rein.-con. sewer in Great Highway, to L. J. Cohn, 110 Sutter St, $19,480. Noted Sept.. 18.

Ont., Kitchener — Extending sewers in various streets, to Webster Constr. Co., 134 Carling St., London, $39,400. Engrs. est. $40,000. Noted Sept. 25.

Waste Disposal

BIDS DESIRED

Tex., Austin—Oct. 10, by W. D. Yett, mayor, incinerator plant, between 50 and 75 ton capacity. $40,000. J. B. Hawley, Cotton Exch. Bldg., Ft. Worth, engr. C. E. Leonard, city engr.

Bridges

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, making plans steel girder bridge, concrete flooring, concrete abutments, Mt. Vernon St., here. To exceed $25,000. J. R. Rablin, 1 Ashburton Pl., Boston, engr.

Fla., Sarasota—Election Sept. 30, $25,000 bonds removable center span bridge, rein.-con. piling over Hudson Bayou at Orange Corner. Total cost $50,000 to be borne by City and property of Sarasota Heights.

Tennessee — State Hy. Dept., Nashville, soon takes bids 4 or 5 concrete bridges over Forked Deer River, between Trenton and Kenton, Gibson Co., and 1 bridge over New River, near Helenwood, Scott Co. J. G. Creveling, highway comr.

O., Dayton—Plans election in November, $1,800,000 bonds, repairing and rebuilding six 150 to 250 ft., steel or concrete span bridges and numerous small culverts. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City Mo., consult. engrs.

Minn., Faribault—City and State Hy. Dept., St. Paul, made plans 1,300 ft. steel and concrete bridge 40 ft. with 27 ft. roadway and two 7 ft. sidewalks, over Straight River and railroad tracks. $175,000. A. W. Bedell, city engr. State Highway Dept., 1246 University Ave., St. Paul, state engr.

Kan., Enterprise—Dickenson Co. (Abilene), plans one 188 ft. span steel truss bridge on Federal Aid Project 258-A. Dodd & Finney, 216 West 6th St., Topeka, engrs.

Kan., Ft. Scott—See "Streets and Roads."

Kan., Wichita—Election Nov. 4, $95,000 bonds rein.-con. bridge over Little River, on Murdock Ave., and $60,000 bonds for rein.-con. bridge over canal, on Douglas Ave. P. L. Brockway, City Bldg., engr. Noted Aug. 28.

Nebraska—Cass and Sarpy Counties plan rebuilding Pollock Bridge, La Platte. $25,000. R. L. Cochran, Brownell Bldg., Lincoln, engr.

Missouri — State Hy. Dept., Jefferson City making plans approach fill to Missouri River Bridge at Glasgow and concrete encasing piers of railroad bridge approach, Howard and Saline Counties; constructing three 70 ft. steel deck plate girder four 40 ft. and one 25 ft. rein.-con. deck girders, etc., over Platte River D. D., Buchanan Co., one 40 ft. and two 36 ft. rein.-con. deck girders, etc., over Chicago, Rock Island & Pacific R.R. tracks, Buchanan Co., three 24 ft. rein.-con. slab spans, etc., over Missouri & North Arkansas R.R. tracks, Barry Co. one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc., over Kansas City Clay Co., and St. Joseph R.R. tracks, Clay Co., three 24 ft. rein.-con. slab spans, etc., over Quincy, Omaha & Kansas City R.R. tracks, Clay Co.; one 40 ft. rein.-con. deck girder, and five 20 ft. rein.-con. slab spans, etc., over Wabash R.R. tracks, Randolph Co., one 130 ft. steel truss and two 20 ft. I-beam spans, etc., over Frisco R.R. tracks, Dade Co. B. H. Piepmeier, ch. engr.

Missouri—State Hy. Dept., Jefferson City, rejected bids one 18 ft. and two 14 ft. rein.-con. slab spans, etc., over drainage ditch, Callaway Co. Will readvertise. B. H. Piepmeier, Jefferson City, ch. engr. Noted Sept. 18.

Okla., Prague — City, Pottawatomie Co. (Tecumseh), and State Hy. Dept., Oklahoma City, made preliminary plans 3 steel span bridge, concrete abutments with earth fill approaches over North Canadian River south of here. $45,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

BIDS DESIRED

Kentucky—Oct. 29, by State Hy. Dept., Frankfort, **(S. P. Means State Project, F. A. P. means Federal Aid Project)**, one 30 ft., one 16 ft., one 34 ft. and two 40 ft. concrete I-beam spans, and one 10 x 6 x 26 ft. concrete box culvert, Sta. 1052 plus 65, 1115 plus 88, 1145 plus 95, 1192 plus 00, 1234 plus 90, F. A. P. 116-A, Metcalf Co.; two 100 ft. steel span superstructure over Licking River, F. A. P. 120-B, one on Sta. 261 plus 00, and other on Sta. 600 plus 00, Morgan Co.; concrete abutments for steel span and five 30 ft. concrete beam approaches for bridge over Licking River, F. A. P. 120-B, Sta. 261 plus 00, Morgan Co.; abutments and three 50 ft. concrete approaches on F. A. P. 120-B, Sta. 600 plus 00, Morgan Co.; one 250 ft. steel and concrete bridge over Bittle Paint River, S. P. 6-A, Johnson and Floyd Counties; three 70 ft. concrete spans over Licking River, F. A. P. 120-A, Sta. 503, Magoffin Co.; two 68 ft. concrete spans F. A. P. 116-A, Sta. 1316, Cumberland Co.; three 180 ft. concrete spans over Ferris Creek, F. A. P. 116-A, Sta. 1370, Cumberland Co.; one 50 ft. concrete over-head crossing, S. P. 4, Sect. 4-B, Sta. 79 plus 80, Clark Co. J. S. Boggs, highway engr.

Ia., Audubon—Oct. 7, by W. J. Hamilton, clk. Audubon Co., 3 I-beam bridges, one 60 x 20 ft., one 80 x 20 ft. and one 70 x 20 ft. pony truss bridges, one 2 span 110 x 20 ft. high truss bridge, one slab bridge and 46 box culverts. A. J. Van Sine, Audubon, engr.

Kan., Dodge City—Oct. 22 (extended date), by Clerk Ford Co., steel span bridge, 20 ft. roadway on Federal Aid Project 236-A, 196 cu.yd. dry and $37 cu.yd. wet excav., 347 cu.yd. [illegible] 528,633 lb. structural steel, 61,596 lb. reinforcing, 9,422 lb. rockers, 3,160 ft. piling, etc. J. W. Thornburg, Dodge City, engr. Noted Sept. 18.

Missouri—Oct. 8, by State Hy. Dept., Jefferson City, constructing east approach fill for Missouri River Bridge at Glasgow and encasing pier and bents of Chicago & Alton R. R. bridge, Howard & Saline Counties; one 130 ft. steel truss and one 20 ft. 1-beam spans over St. Louis-San Francisco R. R. Tracks, Dade Co.; one 40 ft. rein.-con. deck girder and five 20 ft. rein.-con. slab spans, etc. over Washash R.R. tracks, Randolph Co.; reflooring one 200 ft. and one 60 ft. steel truss span, and constructing three 18 ft. timber trestles over Gasconade River, Pulaski Co.; one 18 ft. and two 14 ft. rein.-con. slab spans, etc. over drainage ditch, Callaway Co.; one 35 ft. and two 25 ft. rein.-con. deck girder spans, etc. over Quincy, Omaha & Kansas City R.R. tracks, Clay Co. B. H. Piepmeier, ch. engr.

Arkansas—Oct. 17, by State Hy. Comn., Little Rock, two 100 ft. truss spans, and 1 I-beam span, rein.-con. abutments and piers, over Little Missouri River, near Hope, Federal Aid Project 204-A, Pike Co., 154,895 lb. structural steel, 18,700 lb. reinforcing, etc. R. C. Limerick, highway engr.

BIDS RECEIVED

Minnesota — State Hy. Dept., St. Paul, Sept. 19, Bridge, 280 ft. long concrete, near Zumbro Falls, State Project 59-21, from C. Palzer, Zumbro Falls, $27,300. Noted Sept. 11.

Kan., Erie—See "Streets and Roads."

California—State Highway Dept., Sacramento, Sept. 8, four 50 ft. and five 22 ft. span rein.-con. girder bridge, over Cottonwood Creek, Kern Co., from J. L. Webster, Chico, $29,300. Engrs. est. $43,015. Noted Aug. 28.

CONTRACTS AWARDED

Mass., Medford—City, rebuilding Harvard Ave. Bridge to T. Mulcare, 1 Exeter Park, Cambridge. Engrs. est. $25,000. Noted Aug. 28.

N. J., Imlaystown—Monmouth Co. (Freehold), constructing Bridge U-41, 26 ft. I-beam span, encased in concrete and earth dam, here, to S. S. Thompson, Herbert St., Red Bank, $59,262.

Pennsylvania—State Hy. Dept., Harrisburg, to Pitt. Constr. Co., Fulton Bldg., Pittsburgh, 744 ft. flat span bridge and 2,606 lin.ft. penetration macadam approaches on Route 119, Ligonier Twp., Longbridge Sta., Westmoreland Co., 7,811 cu.yd. excav. $2.50, 444,650 lb. plain steel bars $0.045, 1,171 cu.yd. Class A concrete $29, 2,070 cu.yd. Class B $24, total $187,106.

Ohio—Dept. Highways & Pub. Wks. Columbus, 0.087 mi. super-structures on Sect. "P-1" Mansfield-Ashland Rd., Ashland-Richland Co., to Perkins Structural Steel Co., Worthington, $14,644; extending bridge and constructing concrete bridge both on Sect. "E," Urbana-Bellefontaine Rd., Champaign Co., to Bahn & Chamberlain, North Lewisburg, $601, and $904 respectively; 2 concrete bridges on Sect. "E" Urbana-Bellefontaine Rd., Champaign Co., to Putnam & Sunday, Van Wert, $1,971 and $10,789 respectively; 2 concrete bridges, straightening channel and approaches on Sect. "G" Piqua-Urbana Rd., Champaign Co., to Bair & Kelly, West Milton, $1,849, and Carpenter & Lewis, Ada, $21,399; standard concrete box culvert and standard beam bridge on Sect. "C" Urbana-Troy Rd., Champaign Co., to L. Pickerington, Bellefontaine, $1,141 and $4,486 respectively; bridge on Sect. "Huron Bridge" Cleveland-Sandusky Rd., Erie Co., to F. Liles, Sandusky, $4,858; bridges on Sect. "N" Pomeroy-McArthur Rd., Meigs Co., to Ebersbach Constr. Co., Pomeroy, $6,206. Noted Sept. 25.

Michigan — State Hy. Dept., at office Comrs. Luce Co., Newberry, constructing Bridge 480101, one 50 ft. concrete girder, 344 cu.yd. concrete, 28,186 lb. steel, etc., to W. Toebe & Co., Shingleton, $15,289. Noted Aug. 7.

Kan., Wichita—For rein.-con. deck girder bridge, 379 ft. between abutments, 40 ft. roadway, etc., over Arkansas River, at Seneca St., to Miller & Taylor, Box 346, Waterloo, Ala., $101,279. This corrects report in Sept. 25 issue.

Kan., Wichita — To List & Weatherby Constr. Co., 416 Exch. Bldg., Kansas City, Mo., 9 rein.-con. bridges over drainage canal, 95 ft. long, 40 ft. roadway and two 8 ft. walks, $24,300 each, 3 rein.-con. bridges over drainage canal, 95 ft. long, 30 ft. roadway and two 8 ft. walks, $20,700

Bridges (Continued)

each, lengthening 35 ft. span, rein.-con. bridge, 26 ft. roadway and two 6 ft. walks, over Little Arkansas River, at Nimms Ave., $9,744. Noted Oct. 2.

Kan., Wichita—For 9 span, 3,797 ft. rein.-con. bridge over Arkansas River at Senaca St., to Miller-Taylor Constr. Co., Waterloo, Ia. Engrs. est. $140,000.

S. C., Kingstree—Williamsburg Co., 193 ft. rein.-con. bridge, on Federal Aid Project 247, to Charleston Eng. & Constr. Co., Charleston, $35,302. Noted Sept. 4.

S. C., St. George — See "Streets and Roads."

Tex., Center—See "Streets and Roads."

Tex., Jasper—See "Streets and Roads."

Calif., Oakland—Supervs. Alameda Co., two slab and girder type bridges on Crow Canyon Rd., to Kaiser Paving Co., Bank of Savings Bldg., $10,759 and $12,193. Noted Sept. 18.

Okla., Eufaula—State Hy. Dept., Oklahoma City, repairing bridge, here, McIntosh Co., 40,000 ft. timber, 4,931 cu.yd. earth, and 4,701 cu.yd. rock excav., 1,810 cu.yd. borrow, 3,370 lin.ft. 24 in. concrete piling, to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $26,083. Engrs. est. $30,000.

Arizona—W. C. Lefebvre, state highway engr., c/o Bd. Supervs. Navajo Co., constructing St. Joe Bridge on Holbrook-Winslow Highway, Federal Aid Project 40, to L. C. Lashmet, Flagstaff. Noted Aug. 21.

California—State Highway Comn., Sacramento, 7 combination wood and concrete bridge and weir over Pit River, Lassen Co., to Horn, Hart & Savage, Red Bluff, $50,067. Noted Sept. 11.

Dams

PROPOSED WORK

Wis., Park Falls—Flawbeau Paper Co., making plans earth dam with concrete gate section, 30 ft. high, and rein.-con. reservoir, $25,000. Mead & Seastone, 115 South Carroll St., Madison, engrs. Noted July 31.

Tex., Crystal City—Zavalla Co. (Batesville), election soon $200,000 bonds 150 ft. rein.-con. dam, 50 high and 50 wide at bottom, across Nueces River northeast of here. R. S. Fesennen superv. engr. Noted Sept. 11.

CONTRACTS AWARDED

N. J., Lake Hopatcong—Morris Canal & Banking Co., Arrow Bldg., Blackwell and Sussex Sts., Dover, concrete dam at outlet of Lake Hopatcong, to Gotham Constr. Co., 50 Church St., New York City, $97,560. Noted Sept. 4.

Wis., West Bend—West Bend Power & Light Co., will build rein.-con. and steel dam by day labor; 3 tainter gates, to Worden-Allen Co., Port Washington Rd., Milwaukee. Engrs. est. $25,000.

Calif., Willits—Central Mendocino County Power Co., W. A. S. Foster, genl. mgr., will build rein.-con. dam, 50 ft. high, 154 ft. long, by day labor. C. E. Grunsky, 57 Post St., San Francisco, engr.

Que., Grand Lac—Donacona Paper Co., Stoneham, will build 450 ft. concrete dam, here, by day labor. $250,000. J. A. Beauchemin, Donacona, engr.

Railways

PROPOSED WORK

Quebec—Quebec Harbor Comrs., Quebec, plan 3 railroad tracks to grain elevator, 21 tracks at west end of elevator 2,200 ft. long and double tracks to Canadian Natl. Ry., 1½ mi. distant. $1,000,000. A. Tremblay, Pointe A Cardy, ch. engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Tex. San Antonio—Making plans and surveys surface drainage system to drain flood waters and overflows, to consist of $4,600 ft. rein.-con. street, 30 ft. wide, with 1 ft. curbing on Hackberry St. from Warwick Blvd. to South Presa Sts., street also to be used for traffic. $50,000. I. Ewig, city engr.

Calif., San Diego—Voted $250,000 bonds, dredging and constructing 3,000 ft. bulkhead. F. A. Rhodes, city engr.

BIDS DESIRED

Minn., Albert Lee—Oct. 7, by Freeborn Co., Ditch 30, 160,255 cu.yd. excav., 660 lin.ft. 8 in. drain. $24,618. J. H. Severson, Albert Lee, engr. Noted May 22.

Okla., Norman—Oct. 6 by E. B. Helms, clk. Cleveland Co., drainage ditch in D. D. 2, 230,000 cu.yd. floating dredge work. $35,000. F. Cobb, Norman, engr.

BRIDGE—PENNSYLVANIA AND NEW JERSEY

Following are lowest three bids opened by Delaware River Bridge Joint Comn., Widener Bldg., Phila., Sept. 17, for constructing Philadelphia Approach to bridge over Delaware River connecting Philadelphia and Camden, (A) Mazzola & Marano, 648 South 7th St.; (B) Frances J. Boas Co., 201 North Broad St.; (C) Frederick Snare Corp., Weightman Bldg. The unit bids were as follows:

	A	B	C
310,000 lb. structural steel	$0 08½	$0 07	$0 06½
300,000 lb. reinforcing steel	06½	05	05
4,000 cu.yd. concrete masonry grade A	25 00	30 00	22 00
500 cu.yd. concrete masonry grade B	18 00	20 00	16 00
110 cu.yd. concrete masonry in vault roofs	25 00	40 00	24 00
170 cu.yd. granite masonry, rockface ashlar	105 00	85 00	100 00
440 cu.yd. granite masonry, four cut	175 00	145 00	155 00
13,200 cu.yd. excavation	1 75	1 50	1 90
14,600 cu.yd. street grading	1 40	1 50	1 90
650 cu yd. trench excavation	2 00	3 00	3 50
60 cu.yd. rubble masonry underpinning of bldgs.	40 00	30 00	125 00
200 rubble masonry retaining walls	15 00	12 00	22 00
10 cu.yd. brick masonry	30 00	30 00	33 00
4-M ft. b.m. short leaf y.p. lumber in place complete	90 00	100 00	200 00
4,400 sq.yd. redressed granite block paving on 8 in. concrete	5 75	6 00	5 00
700 sq.yd. asphalt paving on 6 in concrete	4 00	5 50	4 80
60 sq.yd. granite block repaving on gravel base	1 00	3 00	2 00
30 sq.yd. resurfacing with sheet ashpalt	2 00	3 00	3 00
3,250 sq.yd. granolithic sidewalk paving	3 60	3 00	3 30
1,750 lin.ft. furnishing and setting 8 in. straight granite curb	3 70	4 00	3 60
280 lin.ft. furnishing and setting curved granite curb	4 50	5 00	4 30
1,360 lin.ft. resetting old curb	70	50	40
50 sq.yd. repaving brick sidewalk	1 00	2 00	1 00
20 sq.yd. resetting flagstone sidewalk	1 00	3 00	1 30
13 furnishing and setting new steel plate sidewalk doors	27 50	50 00	50 00
16 resetting old sidewalk doors and gratings	8 00	25 00	20 00
24 resetting old sidewalk lights	10 50	25 00	20 00
3 No. 2-brick and stone inlets	175 00	175 00	200 00
15 No. 3-brick and stone inlets	175 00	150 00	190 00
1,100 lin.ft. 6-or-8 in. vitrified clay pipe	95	6 00	2 60
200 lin.ft. 12-or-15 in. vitrified clay pipe	2 85	8 00	3 60
46 lowering and reconnecting water service pipes	50 00	75 00	36 00
46 lowering and reconnecting water service pipes	40 00	75 00	53 00
1,500 sq.ft. cleaning and plastering walls	25	20	30
1,400 sq.ft. cleaning and dashing walls	12	20	40
1,400 sq.ft. cleaning and cut pointing walls	10	20	40
370 lin.ft. 5 ft. diameter brick sewer	40 10	70 00	100 00
220 lin.ft. 3 ft. 6 in.x2 ft. 4 in. brick sewer with vitrified shale brick	10 35	25 00	30 00
125 lin.ft. 3 ft.x2 ft. brick sewer	9 15	14 00	22 00
425 lin.ft. 3 ft.x2 ft. brick sewer with vitrified shale brick	9 15	15 00	23 00
420 lin.ft. 2 ft. 6 in. x 18 in. brick sewer	8 10	12 00	21 00
525 lin.ft. 2 ft. 6 in. x 18 in. brick sewer with vitrified shale brick	12 10	14 00	20 00
10 brick manholes with covers and frames	200 00	125 00	350 00
2 brick wellholes with covers and frames	450 00	300 00	1300 00
Removal of portion of two buildings (lump sum)	3000 00	5000 00	4000 00
20 lin.ft. iron fence furnished and set	3 00	5 00	8 00
200 lin.ft. resetting iron fence	1 00	2 00	1 00
20 days pumping	50 00	50 00	60 00
50 cu.yd. rubble drains	6 00	4 00	8 00
1,500 sq.yd. damp-proofing	20	50	1 00
Extended totals	$401,239	$429,010	$434,683

BIDS RECEIVED

Me., Kennett—Dunklin Co. D. D. 39, c/o Dunklin Co. Court, 677,000 cu.yd. cleaning out old ditches, and excavating about 3 mi. new laterals, etc., from O. Kochtitzky, Cape Girardeau, $0.11. Noted Aug. 28.

Fla., Tampa—Hillsboro Co., 125,000 cu. yd. hydraulic fill on sea wall, from McGucken & Edwards, 204 Nebraska Ave., $45,000.

Ark., Newport—Cache River D. D. making plans excavating new channel and embankment to protect 110,000 acres. $600,000. Bowman Eng. Co., Newport, engrs. Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., consult. engrs.

Ariz., Miami—Inspiration Cors. Copper Co., 200,000 cu.yd. earth and rock excav. for new leaching plant, to Schmidt & Hitchcock, Phoenix.

Ont., Goderich — Dept. Pub. Wks., Ottawa, dredging, here, to W. L. Forrest, Goderich, $46,000. Engrs. est. $50,000.

Streets and Roads

PROPOSED WORK

Connecticut—State Highway Dept., Hartford, plans paving road from Bethel Line in Dodgingtown to Clark Estate in Flat Swamp. To exceed $25,000. J. A. MacDonald, comr.

New Jersey—State Hy. Dept., Trenton, plans widening from 20 to 40 ft. 14 mi. Route 4, between Rahway and Keyport, in Union, Middlesex and Monmouth Counties. $3,000,000. W. G. Sloan, Trenton, ch. engr.

N. J., Greenwood Lake—State Hy. Dept., Trenton, soon takes bids improving 4 mi. Hewitt-New York State line Rd., Passaic Co., here. $197,000. W. G. Sloan, ch. engr.

N. J., Stewartsville — Greenwich Twp. rejected bids Sept. 17, reconstructing 14,600 sq.yd. Stewartsville-Bloomsbury Rd., Warren Co., bituminous concrete. Will readvertise. H. W. Vetter, Belvidere, engr.

W. Va., Weston—Lewis Co. election Nov. 4, $400,000 bonds for roads. W. K. Spaur, Weston, engr.

N. C., Ahoskie—Plans paving 9 blocks various streets. $30,000.

N. C., Freemont—Sheet asphalt on concrete paving, guttering and storm sewers in various streets, to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $40,000.

Fla., Orlando—Election Sept. 30, grading, curbing, paving and laying sidewalks on Fair Grounds. $65,000. J. L. Giles, mayor.

Miss., Hattiesburg—Forrest Co. making preliminary plans paving various roads. $250,000.

Miss., Webb—Tallahatchie Co. sold $300,000 bonds for graveling about 50 mi. various roads.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans improving Cades Cove-Ekenetellee Gap Rd., Blount Co., and Gatlinburg-Indian Gap Rd., Sevier Co. J. G. Creveling, highway comr.

Tennessee—State Hy. Dept., Nashville, soon takes bids improving 12 mi. McLennoresville-Madison Co. line Rd., 18 ft., Carroll Co. J. G. Crevelin, highway comr.

Tenn., Memphis—Plans widening Central Ave. from Cooper to Parkway streets, from 40 ft. to 52 ft. $104,000. W. B. Fowler, city engr.

Ohio—Dept. Highways & Pub. Wks., Columbus, rejected bids Sept. 12, grading, bridging and paving 3.959 mi. Sect. "H" Ripley-Hillsboro Rd., Highland Co. Noted Sept. 25.

O., Alliance—Plans grading and laying sewers in College and Rice Sts. $30,000.

O., Alliance—City and Property Owners plan improving South Linden Ave., from State to Milton St. $60,000.

O., Canton — Plans improving 0.5 mi. Plain Ave., $40,000, about 1 mi. 15th St. S. W. $30,000, both 40 ft., Hartford Ave., $30,000. W. E. Sarver, City Hall, engr.

O., Dayton — City plans election in November, $400,000 bonds for brick, concrete and sheet asphalt paving and repaving several streets. J. F. Hale, city engr.

O., Lisbon—Columbiana Co. plans resurfacing with Willite top 5 mi. Lincoln highway between St. Clair Twp. line north to Youngstown & Ohio River R.R. crossing in Madison Twp. $50,000 or more. L. C. Kirk, engr.

O., Warren — Plans improving Pleasant Ave., $30,000; asphalt paving Palmyra Rd. $30,000; North Tod and Riverview Aves. $75,000, and High St. $35,000. W. S. Harvey, engr.

Streets and Roads (Continued)

O. Youngstown — Plans widening Watt St. from South Ave. bridge to Federal St. $35,000. G. T. Turner, engr.

Michigan — State Hy. Dept., Lansing, plans grading 0.34 mi. Federal Aid Project 100 C, 48 ft., Ingham Co., for grade separation under Grand Trunk Ry. tracks. G. C. Dillman, ch. engr.

Mich., Detroit—Made plans paving 3,575 sq.yd. Conant Ave. Sect. 1, 2,961 cu.yd. excav., and 9,427 sq.yd. Linwood Ave., 3,392 cu.yd. excav., both 3½ in. sheet asphalt on 8 in. concrete. $17,500. G. Jerome, city engr.

Ill., Carrier Mills—Making preliminary plans grading, curbing, guttering and hard-surfacing 24 blocks various streets. $130,000. K. Smith, Mount Vernon, engr.

Ill., Hurst — Making preliminary plans grading, hardsurfacing, etc., 17 blocks various streets. $85,000. P. B. Wilson, 1st Natl. Bank Bldg., Marion, engr.

Ill., Marion—Making preliminary plans grading and concrete paving 17,000 sq.ft. various streets. $140,000-$150,000. G. F. McCarthy, city engr.

Ill., Murphysboro — Making preliminary plans grading and hard-surfacing various streets. $75,000. L. Dunn, City Hall, engr.

Ia., Bedford—Plans paving about 31 blocks various streets during 1925. $110,000. J. E. Lovell, city clk.

Kan., Ft. Scott — Bourbon Co. making preliminary plans grading and bituminous macadam surfacing 7.165 mi. Devon-Harding Rd., Federal Aid Project 270-A, also two 20 ft. slab span bridge, 20 ft. roadway. B. Boyle Ft. Scott, engr.

Kan., Hiawatha—Brown Co. plans grading, etc., 5.081 mi. Federal Aid Project 256-A, 26 ft.

Kan., Independence — Montgomery Co. plans grading and bituminous macadam surfacing 5.545 mi. Federal Aid Project 164-A, 18 ft. H. K. Hibbard, co. engr.

Kan., Olathe—Johnson Co. making preliminary plans grading and bituminous macadam surfacing 1.185 mi. Porter Rd., 18 ft. $25,000. E. J. Terrill, Olathe. engr.

Kan., Wichita—Plans brick block paving, etc., 1 block alley east of Main St., 20 ft.; sheet asphalt paving 1 block Indianapolis St., 26 ft.; concrete paving 1 block Pine St., 36 ft., and 3 blocks Ida St., 26 ft. $50,000. P. L. Brockway, City Bldg., engr.

Neb., Holdrege — Making preliminary plans grading, curbing and hard surfacing 20 blocks Grant St., 4th, East and West Aves.

S. D., Yankton—Yankton Co. plans grading and graveling 13 mi. Sunshine Highway, east, west and south of Utica. $40,000. J. D. McCoun, co. aud.

N. D., Minot—Ward Co. plans grading 18 mi. North Star Trail between here and Logan, and between Sawyer and McHenry Co. line, $36,000; 14 mi. National Parks Highway west from Minot-Bismarck highway through Ryder and Sanish to proposed National Park in Badlands Dist., $28,000. R. W. Kennard, co. aud.

Missouri — State Hy. Dept., Jefferson City, making plans 18 ft. gravel surfacing 2.515 mi. Jefferson City-Columbia Rd., Callaway Co.; 16 ft. gravel surfacing 6.569 mi. Cabool-Houston Rd., Texas Co., 15.637 mi. Appleton-Jackson Rd., Cape Girardeau Co.; 30 ft. grading 2.5 mi. road from Dixon south, Pulaski Co., 5 mi. road from Versailles west, Morgan Co.; grading and 18 ft. bituminous macadam surfacing road from St. Charles east, St. Charles Co. B. H. Piepmeier, ch. engr.

Missouri — State Hy. Dept., Jefferson City, rejected bids Aug. 29, grading 0.502 mi. Jefferson City-Columbia Rd., 16 ft., and gravel surfacing 0.823 mi. Jefferson City-Fulton Rd., both Callaway Co. Will readvertise. B. H. Piepmeier, ch. engr. Noted Sept. 18.

Mo., Albany—Voted $60,000 bonds graveling about 8 mi. various streets., 26-30 ft. E. T. Archer & Co., 612 New England Bldg., Kansas City, engrs.

Ark., Little Rock—Paving Dist. 399 plans grading and hardsurfacing 7 blocks Scott and 24th Sts. W. Townsend, Boyle Bldg., atty. Engineer not selected.

Ark., Russellville—Comrs. Road Impvt. Dist. 1, Pope Co., plans to sell $75,000 bonds asphalt surfacing 26 mi. Little Rock-Ft. Smith Highway.

Tex., Alpine — Brewster Co. takes bids after Oct. 7, surfacing 17 mi. State Highway 3, west from Pecos Co. line, 16 ft. $114,000. A. L. White, Alpine, engr.

Tex., Brady — McCulloch Co. making plans grading and gravel surfacing 5.2 mi. Brady-Eden Rd. through Melvin Rd. Dist., 16 ft. $36,000. E. A. Burrows, co. engr.

Tex., Comanche — Comanche Co. voted $50,000 bonds grading and gravel surfacing De Leon-Desdemona Rd., Rd. Dist. 5. F. J. Reese, co. judge.

Tex., Dickens—Dickens Co. soon takes bids grading, gravel and caliche surfacing 13.2 mi. State Highway 53, Federal Aid Project 443-A, 16 ft. $66,000. J. W. Alger, co. engr.

Tex., Ennis—Election Oct. 21, $75,000 bonds paving various streets. Address G. C. Sanderson, city secy.

Tex., Linden — Linden Co. takes bids after Oct. 1, concrete paving 4.99 mi. State Highway 48, Federal Aid Project 435-A, 9 ft. $123,000. F. E. Hess, Linden, engr.

Tex., Marshall—Soon takes bids permanent paving South Washington St. $60,000. M. Ramsey, Marshall, engr.

Tex., San Antonio — See "Excavation, Drainage, Irrigation."

Tex., Shamrock — Plans grading and paving 6 blocks Main St., 60 ft. $45,000. Engineer not selected.

Tex., Waco—McLennan Co. soon takes bids bituminous macadam surfacing 1.26 mi. State Highway 2, Waco-Temple Rd., 18 ft., incl. underpass at Missouri Kansas & Texas Ry. crossing, $39,460. M. Hannah, co. engr.

Tex., Waxahachie — Ellis Co. election Sept. 30, $180,000 bonds hard surfacing etc. in Italy Rd. Dist. H. R. Stovall, co. engr.

Okla., El Reno—Making preliminary plans grading and hard-surfacing 7 blocks Barker and Mill Sts. To exceed $25,000. H. G. Olmstead Co., 2230 West 18th St., Oklahoma City, engrs.

Okla., Idabel—Making plans grading and paving 4 blocks Main and Central Sts., 76 ft., 11,000 sq.yd. vertical fibre brick, 3,600 cu.yd. excav. $45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 7.

Okla., Muskogee — Plans improving 7 blocks South L St., 9,925 sq.yd. concrete, 4,600 lin.ft. curbing, 3,500 cu.yd. excav. $40,000. J. R. March, Muskogee, engr.

Okla., Oklahoma City—Plans improving 6 blocks Ave. C, 5,200 sq.yd. asphalt, 4,500 lin.ft. curbing, 2,000 cu.yd. excav. $30,000. B. M. Hart, City Hall, Oklahoma City, engr.

Okla., Sand Springs—Plans improving 5 blocks Lincoln and 9th Sts., 5,400 sq.yd. concrete, 3,400 lin.ft. curbing, 1,800 cu.yd. excav. $27,000. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Okla., Wetumka — Plans improving 10 blocks Main, Frisco and Bway. Sts., 30,000 sq.yd. vertical fibre brick. 6,500 cu.yd. excav. $150,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Wilburton — Plans grading and paving 3 blocks Main St., 76 ft., 10,000 sq. yd. concrete, 3,000 cu.yd. excav. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Lakeport—Plans 6 in. concrete paving Main St. $25,000 or more.

Wash. Seattle—Comrs. King Co. take bids about Oct. 16, concrete paving 1 mi. Endolyne Rd. $40,000. T. R. Beeman, 602 37th St., engr.

Calif., Hanford—Kings Co. making plans constructing 2¾ mi. highway between Kingsburg city pavement and Kings Co. highway, and 1 mi. road from Coalinga lateral to Lemoore concrete pavement. To exceed $50,000. R. May, co. sur.

Calif., Oakland—Plans paving East 14th St. between 15th Ave. and San Leandro line. City to pay $100,000, Alameda Co. $200,000 and property owners $250,000 toward cost. W. W. Harmon, city engr. G. Possey, co. surv.

Calif., Oakland—Alameda Co., plans constructing highway from Lafayette via Moraga and Redwood Canyons and tunnel through to Shepherds Canyon, here, $1,400,000; reconstructing 8 mi. Dublin Rd., on standard specifications, $320,000; repairing and partial repaving Alameda Co. section of Byron-Bethany Rd., $60,000; widening highway from south line of Richmond east of point where highway joins county highway at viaduct of Santa Fe to proposed Carquinez bridge site, $300,000, 18 mi. Mission San Jose Highway from Hayward to Santa Clara Co. line, $360,000, Tunnel Rd. and tunnel in same from 18 to 24 ft., $890,000. G. A. Posey, co. survr.

Calif., Oakland—Made plans improving Montana St. between Maple and Laurel Sts., 23,320 sq.ft. grading, 933 lin.ft. concrete curbing, 1,866 sq.ft. concrete guttering, 12,068 sq.ft. oil macadam paving, 4,664 sq.ft. concrete sidewalks, etc. W. W. Harmon, city engr.

Calif., Pasadena — City Council soon takes bids improving portion Green St. between Marengo and Hill Aves., 31,231 cu. yd. grading, 361,670 sq.ft. 2 in. asphaltic concrete on 7 in. concrete paving, 14,805 lin.ft. concrete curbing, 29,988 sq.ft. guttering, etc. W. C. Earle, city engr.

Calif., San Diego — Plans improving Witherby St. and Ingleside Ave., 1,979 cu.yd. excav., 2,421 cu.yd. embankment, 2,255 lin.ft. concrete curbing, 79,609 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete curbing, 5,314 sq.ft. 4 in. concrete paving, 3,900 sq.ft. concrete sidewalks, etc.; Canon St., 5,112 cu.yd. excav., 123,420 sq.ft. 4 in. concrete paving, 4,011 lin.ft. curbing, etc.; Juniper and 31st Sts., 125,498 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving 11,920 sq.ft. 4 in. concrete, 5,531 sq.ft. concrete sidewalks, 1,180 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., San Gabriel—Plans election $100,000 bonds, improving various streets.

Calif., Santa Barbara—Plans paving ½ or 1 mi. De La Guerra St., 1½ on 5 in. concrete. G. D. Morrison, city engr.

Calif., San Fernando—Asphaltic concrete paving, sidewalk sand curbing, etc., 4th St., to Griffith Co., 502 Los Angeles Ry. Bldg., Los Angeles, $25,049.

Calif., Seal Beach—Making plans improving 16 blocks Ocean Ave., 5 in. asphaltic concrete. W. Hillyard, city engr.

Calif., Stockton—Made plans improving Harrison St. between Jefferson and Worth Sts. etc., 3,082 cu.yd. cut, 2,339 cu.yd. fill, 5,670 lin.ft. curbing and guttering, 28,360 sq.ft. concrete sidewalks, 98,916 sq.ft. 2 in. asphaltic macadam on 4 in. cemented gravel. W. B. Hogan, city engr.

Calif., Tulare—Making plans improving various streets, 200,000 sq.ft. Willite pavement, 20,000 sq.ft. walks, 7,000 lin.ft. curb and gutter, 1,000 lin.ft. 8 in. storm sewer, etc. J. P. Williams, city engr.

Calif., Vallejo — Made plans improving Ohio St. from Napa Rd. easterly, 13,575 sq.ft. grading, 1,596 sq.ft. concrete gutter, 2,291 ft. curb and walks, 40 lin.ft. armored curb, 9,687 sq.ft. Topeka on concrete, etc. T. D. Kilkenny, city engr.

Calif., Ventura—Ventura Co. plans constructing approximately 10 mi. highway through Cudday Valley into Lockwood Valley. C. Pitit, co. surv.

Australia, Melbourne — Dept. Pub. Wks. soon takes bids main road construction. $2,500,000.

BIDS DESIRED

N. Y., Brockport—Oct. 13, by Bd. Contr. & Supply at office Bd. Water Comrs., Village Hall, improving waterworks. B. A. Thompson, clk.; adv. E. N.-R. Oct. 2.

N. Y., New York—Oct. 7, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., curbing and sidewalks on Rodman Pl., East 212th St., Liebig, Mace, Crosby, Laconia, Paulding and Yates Aves., McClellan St.

Pennsylvania — Oct. 14, by Dept. Hys., Harrisburg, constructing 22 mi. 9 projects in 8 counties, rein.-con. P. D. Wright, secy.; adv. E. N-R. Sept. 25.

Pennsylvania — Oct. 14, by Dept. Hys., Harrisburg **(R. means Route and A. Application)** rein.-con. surfacing 3,938 ft. R. 70, Allegheny Co.; 3,491 ft. R. 204, Beaver Co.; 2,235 ft. A-1928 and 1930, Clarion Co., 32,164 ft. R. 92, Lancaster Co., 47,424 ft. R. 136, Lancaster Co., 1,342 ft. R-206 and A 3203, Mercer Co., 6,783 ft. R-169 and A-2503, Monroe Co., 14,028 ft. R-50 and A-3137, Somerset Co., 6,143 ft. A-550, York Co. P. D. Wright, secy. highways.

Pa., Phila. — Oct. 7, by Bureau Hys., Dept. Pub. Wks., (Schedule A), asphalt paving 998 sq.yd. Day St., 2,071 sq.yd. Tulip St., 2,025 sq.yd. Wyncote Sts.; (Schedule B), asphalt repaving 1,339 sq. yd. Lawrence St.; (Schedule C), redressed granite block repaving 2,900 sq.yd. 24th St.; (Schedule D), improving Warden Dr. G. H. Biles, dir. Pub. Wks.

Fla., Sebring—Oct. 13, by City Council, W. B. Zachary, clk., improving various streets, 34,000 lin.ft. 18 in. concrete curbing, 34,000 lin.ft. concrete guttering, 8.57 acres clearing, 26,620 cu.yd. grading, 49,695 sq.yd. 6 in. limestone or Bartow clay base, 400 sq.yd. 6 in. concrete limestone or Bartow clay base, 50,095 sq.yd. 2 in. sheet asphalt or concrete surfacing. $100,000. J. W. Hawkins, Sebring, engr.

Delaware—Oct. 15 by State Hy. Dept., Dover, improving 1.72 mi. Blackbird-Ginns Corner Rd., Contr. 31, 0.837 mi. du Pont Blvd.-Ellendale Rd., Contr. 49, 1.1 mi. West Corner-Lowes X Rds., Contr. 50, 0.96 mi. Georgetown-Bridgeville Rd., Contr. 51, 3.94 mi. Biddle Corner-Port Penn Rd., Contr. CN-23; 1,000 rein.-con. guard rail posts, Contr. M-9; adv. E. N.-R.

S. C., Greenville—Oct. 8, at office Supervisor Greenville Co., grading and surfacing 6.3 mi. State Route 8, Federal Aid Project 3 and 242-A, 78,529 cu.yd. excav., 278 cu.yd. concrete, 75,040 sq.yd. plain concrete, 69,142 sq.yd. sheet asphalt or asphaltic concrete on plain cement concrete. E. D. Sloan, Court House, engr.

Louisiana—Oct. 9, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing 7.19 mi. State Project 393-A, Colfax-Pollock Highway, and 3.22 mi. State Project 115-A, Pollock-Jean Highway. J. M. Fourmy, ch. engr.

Streets and Roads (Continued)

Kentucky—Oct. 29, by State Hy. Dept., Frankfort, (**S. P. means State Project, F. A. P. means Federal Aid Project**), bank gravel, river gravel or waterbound macadam surfacing 15.533 mi. Louisville-Paducah Rd., 16 ft., S. P. 8-C, Breckenridge Co., 5.36 mi. Louisville-Paducah Rd., 16 ft., S. P. 8-C, Meade Co.; creek gravel or waterbound macadam surfacing 8.115 mi. Edmonton-Glasgow Rd., 16 ft., S. P. 1-A, Metcalf Co.; waterbound macadam surfacing 8.655 mi. Augusta-Newport Rd., 14 ft., S. P. 21½-A, Pendleton Co.; bituminous macadam, rock asphalt or concrete surfacing 5.809 mi. Williamsburg-Jellico Rd., 16 ft., S. P. 35-C, Whitley Co.; river gravel, creek gravel or waterbound macadam surfacing 5.405 mi. Greensburg-Hodgenville Rd., 16 ft., S. P. 41-B, Green Co.; bank gravel surfacing 7.5 mi. Paducah-Benton Rd., 18 ft., S. P. 67-A, McCracken Co.; grading, etc., 17.516 mi. McKee-Pineville Rd., 24 and 28 ft., S. P. 39-A, Clay Co., 13.185 mi. Louisville-Paducah Rd., 24 and 30 ft., F. A. P. 119, Crittenden Co., 5.985 mi. Louisville-Paducah Rd., 24 and 30 ft., F. A. P. 105-B, Daviess Co., 0.81 mi. Paintsville-Prestonburg Rd., 24 and 28 ft., S. P. 6-B, Floyd Co., 4.735 mi. Elizabethtown-Hodgenville Rd., 24 and 28 ft., F. A. P. 118-A, Hardin and Larue Counties, 15.413 mi. Richmond-McKee Rd., 24 and 28 ft., S. P. 30-A, Jackson Co., 4.813 mi. Louisa-Sandy Hook Rd., 24 and 28 ft., S. P. 49-A, Lawrence Co., 3.591 mi. Richmond-McKee Rd., 24 and 28 ft., S. P. 30-A, Madison Co., 11.423 mi. Salyersville-West Liberty Rd., 24 and 28 ft., F. A. P. 120-A, Magoffin Co., 11.535 mi. Saylersville-West Liberty Rd., 24 and 28 ft., F. A. P. 120-B, Morgan Co., 15.972 mi. Lexington-Compton Rd., 26 and 30 ft., F. A. P. 115, Scott Co., 10.844 mi. Covington-Jackson Rd., 24 and 28 ft., F. A. P. 121, Wolfe Co.; gravel reconstructing 2.85 mi. Lebanon-Campbellsville Rd., 18 ft., S. P. 25-B, Marion Co.; waterbound macadam reconstructing 5 mi. Lebanon-Danville Rd., 18 ft., S. P. 25-C, Marion Co., 6.12 mi. Mayesville-Lexington Rd., 16 ft., S. P. 20-K, Fleming Co. J. S. Boggs, highway engr.

O., Garfield Heights (Cleveland P. O.)—Oct. 9, grading, curbing and paving Edgepark, Garfield Parkway, Dorothy and Park Heights Aves. To exceed $25,000. R. F. Munz, Town Hall, engr.

O., Youngstown—Oct. 6, by L. Evans, park comr., improving 1 mi. Gypsy Lane, 30 ft. $40,000-$50,000. G. Turner, city engr.

Michigan—Oct. 6, by State Hy. Dept. at office Comrs. Roscommon Co., Roscommon, grading and surfacing 4.249 mi. State Trunk Line Rd. 18-18 B, 57,724 cu.yd. excav., 40,-102 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—Oct. 7, by State Hy. Dept. at office Comrs. Schoolcraft Co., Manisitque, grading 1.269 mi. State Trunk Line Rd. 12-46, Sect. B, 17,304 cu.yd. excav. G. C. Dillman, Lansing, ch. engr.

Michigan—Oct. 7, by State Hy. Dept. at office Comrs. Schoolcraft Co., Manisitque, grading and surfacing 2.232 mi. State Trunk Line Rd. 12-46 A, 8,730 cu.yd. excav., 26,-167 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—Oct. 7, by State Hy. Dept. at office Comrs. Ogemaw Co., West Branch, grading and surfacing 2.233 mi. State Trunk Line Rd. 55-14 B, 32,789 cu.yd. excav., 20,-959 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—Oct. 8, by State Hy. Dept. at office Comrs. Oscoda Co., Mio, grading and surfacing 5.521 mi. State Trunk Line Rd. 33-6, 93,066 cu.yd. excav., 51,804 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—Oct. 9, by State Hy. Dept. at offic eComrs. Osceola Co., Hersey, grading and surfacing 2.704 mi. State Trunk Line Rd. 13-23 A, 22,839 cu.yd. excav., 19,842 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—Nov. 11, by State Hy. Dept., at office Comrs. Charlevoix Co., Charlevoix, grading and surfacing 0.583 mi. State Trunk Line Rd. 11-46 A and B, 6,849 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Ia., Waterloo—Oct. 6, by C. E. Mackay, city clk., grading and hard-surfacing 8 blocks 2 alleys Fletch, Grant, Lane, Columbia and Circle Sts. $28,000. R. B. Slippy, LaFayette Bldg., engr. Noted Sept. 25.

Neb., North Platte—Oct. 14, by Clerk Lincoln Co., grading and clay surfacing, etc., 15.5 mi. North Platte-Maywood Rd., Federal Aid Project 221-B, Lincoln Co. $60,000. R. L. Cochran, Brownell Bldg., Lincoln, engr.

Missouri—Oct. 8, by State Highway Dept., Jefferson City, gravel surfacing 147,-768 sq.yd. Appleton-Jackson Rd., Cape Girardeau Co., 3,544 sq.yd. Jefferson City-Columbia Rd., Callaway Co., 8,036 sq.yd. Jefferson City-Fulton Rd., Callaway Co., 69,189 sq.yd. Cabool-Houston Rd., Texas Co., $8,244 sq.yd. road from Versailles west, Morgan Co.; grading 11,153 cu.yd. Jefferson City-Columbia Rd., Callaway Co.; penetration macadam or rock asphalt surfacing 39,058 sq.yd. road from St. Charles east, St. Charles Co. B. H. Piepmeier, ch. engr.

Tex., Houston—Oct. 13, by Harris Co., grading and paving, etc. undergrade crossing of Houston-La Porte Rd. and Galveston Houston & San Antonio Ry. H. L. Washburn, co. engr.

Tex., Wichita Falls—Oct. 27, by B. D. Sartin, judge Wichita Co., gravel and macadam surfacing 15 mi. Electra-KMA Rd. J. M. Isbell, co. engr. Former bids rejected. Noted Sept. 4.

Okla., Wetumka—Oct. 6, by C. N. Hamilton, city clk., improving 10 blocks Main, Frisco and Bway. Sts., 60 and 68 ft., 23,760 sq.yd. vertical fibre brick, 10,800 lin.ft. curbing, 7,900 cu.yd. earth and 75 cu.yd. rock excav. $110,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 2.

Calif., Eureka—Supervs. Humboldt Co. taking bids constructing 4.1 mi. road between end of present road at Paul's Point in Trinity Co. and Pattens, on Alderpoint-Blocksburg Rd. Former bids rejected. A. J. Logan, co. surv.

Calif., Glendale—City Council taking bids improving Western Ave., etc., 215,247 sq.ft. grading, 177,056 sq.ft. 5 in. macadam paving, 3,184 lin.ft. 8 in. vitr. sewer, etc. B. F. Dupuy, city engr.

Calif., Inglewood—City Trustees taking bids improving Redondo Ave., 181,876 sq.ft. grading, 5,725 lin.ft. curbing, 28,863 sq.ft. sidewalks, 9,506 sq.ft. 5 and 8 in. guttering, 103,334 sq.ft. 4 and 5 in. asphaltic concrete paving, etc. A. W. Cory, city engr.

Calif., San Anselmo—Oct. 20, by Town Trustees, improving Hillside Ave., 19,300 sq.ft. grading and 5 in. concrete paving 14 ft. wide; portion Laurel Ave., 15,500 sq.ft. grading and shape macadam base, 210 lin.ft. concrete curbing, 315 sq.ft. concrete guttering, 15,500 ft. asphaltic concrete paving, 160 tons asphaltic concrete base reinforcing, Greenfield Ave., 3,500 cu.yd. excav., 91,000 sq.ft. grading, 5,000 lin.ft. concrete curbing and guttering, 230 lin.ft. 12- to 36-in. corrugated pipe culverts, 91,000 sq.ft. asphaltic concrete paving, etc. J. J. Jessup, town engr. Noted Oct. 2.

Calif., Santa Ana — Oct. 6, by City Trustees improving North Park Blvd., 128,-454 sq.ft. 6 in. concrete paving, 52,454 sq. ft sidewalks, 176,279 sq.ft. 5 in. concrete paving, 13,255 ft. curbing, sewers, water services, etc. W. G. Knox, city engr.

Calif., San Rafael—Supervs. Marin Co., taking bids asphaltic concrete paving 107,-780 sq.ft. road from Manor to foot White Hill. J. C. Oglesby, co. surv. Noted April 10.

BIDS RECEIVED

Vermont — State Highway Dept., State House, Montpelier, grading and graveling 1.95 mi. highway in Swanton and Sheldon, Federal Aid Project 66, from A. Thomas Constr. Co., Middlebury, Mass., $41,732. Noted Sept. 18.

N. Y., Albany—Concrete paving 1,800 ft. Pinewood Ave., from H. Dumary, 119 State St., $31,284. Engrs. est. $43,500.

Pennsylvania—State Hy. Dept., Harrisburg, (**R. means Route and A. Application**) bituminous or rein.-con. surfacing R. 88 and 304 A. 2910, Erie Co., from Mayer Bros. Constr. Co., 312 Commerce Bldg., Erie, $198,028; R. 68, 223, Indiana Co., from Rood Constr. Co., Lyric Theatre Bldg., Butler, $19,970; R. 149, Lebanon Co., from Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., $22,815; R. 336, Cumberland Co., from Lincoln Constr. Co., Strafford, $132,911; R. 242, Washington Co. from S. Gamble Co., Glass St., Carnegie, $11,392; R. 5, Lackawanna Co., from Public Service Production Co., 80 Park Pl., Newark, N. J., $237,612; R. 65, Sect. 1B, Venango Co., from Milliron Constr. Co., Inc., Deposit Natl. Bank Bldg., Du Bois, $148,141. Noted Sept. 4.

Pa., Phila.—Dept. Pub. Wks., Sept. 24, grading Brill, Charles, Grange, 15 Hunting Park and 18th Sts., from Dewees Bros., 5804 North Marshall St., $17,266, M, N, O and Pike Sts., from D. Daffin, 5101 Roosevelt Blvd. $6,223, Oxford St. (east side), from T. L. Flanagan, 531 East Girard St., $2,395; asphalt paving Day, Jasper, Limekiln, Luzerne, L, M, O, Westmoreland and 47th Sts., and vitr. block paving Smick St., from Union Paving Co., 300 Locust St., $78,552; asphalt paving Janney, Schiller, Sepviva, Tulip, and Weikel Sts., also asphalt repaving Emily, Fernon and Montrose Sts., from Eastern Paving Co., 401 Colonial Trust Bldg., $42,857; asphalt paving Larchwood, Ritner, Trinity, Windsor and 60th Sts., asphalt repaving Wister St., Barber Asphalt paving Co., 239 North 30th St., $109,046; asphalt paving Wagner St. and asphalt repaving Gordon St., from Mack Paving Co., Nicetown Land and Luzerne St., $21,327; improving Green Tree Rd., from M. J. McCrudder, 1134 Real Estate Trust Bldg., $3,585, Park Rd., from A. J. Henderson, 5807 Chew St., $2,912.

S. C., Barnwell—Bd. Directors Barnwell Co. sand clay surfacing 10.8 mi. Federal Aid Project 12, from W. R. Carson, York, $75,652; 20 mi. Federal Aid Project 32, from Newell Contg. Co., Greenville, $87,374. Noted Sept. 4.

Fla., Tampa—Hillsboro Co., laying 12,-800 sq.yd. concrete sidewalks, 24,000 lin.ft. curb and 12,000 lin.ft. handrail along Seawall Blvd., from McGucken & Edwards, 204 Nebraska Ave., $40,000. Noted July 17.

Tenn., Brownsville — Asphalt paving various streets, from V. E. Shevenel Constr. Co., Memphis, $109,714.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 7.78 mi. Greenwall-Springs Rd., East Baton Rouge Parish, from C. R. White, Centerville, Miss., $40,998.

La., Abbeville—Police Jury Vermillion Parish, grading, bridging and gravel surfacing 7 mi. road in Dist. 2, from Lafayette Constr. Co., Abbeville, $21,199. Noted Aug. 21.

O., Cuyahoga Heights (Cleveland P. O.) —Improving Grant Ave. from East 49th to East 65th Sts., 6,880 lin.ft. each stone curbing and 4 in. drain tile gutter, 5,000 cu.yd. earth excav., 11,470 sq.yd. vitr. brick on concrete, from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $76,000.

Michigan — State Hy. Dept. at office Comrs. Benzie Co., Beulah, grading and surfacing 0.639 mi. State Trunk Line Rd. 22-14 B, from Marsman & Tabor, Frankfort, $19,906.

Michigan — State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, grading and surfacing 0.84 mi. State Trunk Line Rd. 13-50 B, from Vanderveen Constr. Co., Grand Rapids, $38,761.

Michigan — State Hy. Dept., at office Comrs. Gratiot Co., Ithaca, grading and surfacing 6.415 mi. State Trunk Line Rd. 14-30, 48,395 cu.yd. excav., 75,267 sq.yd. concrete, from A. Jeffries, Saginaw, $200,-652. Noted Sept. 11.

Michigan — State Hy. Dept. at office Comrs. Gratiot Co., Ithaca, grading and surfacing 5.002 mi. State Trunk Line Rd. 46-27, 52,583 sq.yd. concrete, from T. McNally, Saginaw, $145,293. Noted Sept. 11.

Michigan — State Hy. Dept. at office Comrs. Bay Co., Bay City, grading and concrete paving 7.92 mi. Federal Aid Project 90 A, from Hersey Gravel Co., Hersey, $240,493. Noted Sept. 11.

Michigan — State Hy. Dept. at office Comrs. Wexford Co., Cadillac, grading and concrete paving 2.986 mi. State Trunk Line Rd. 13-54, from Hersey Gravel Co., Hersey, $69,596.

Michigan — State Hy. Dept. at office Comrs. Osceola Co., Hersey, grading and concrete surfacing 0.654 mi. State Trunk Line Rd. 66-12 A, from Geneva Constr. Co., North Beadley, $18,928, also one 16 ft. span bridge on State Trunk Line Rd. 20-26 A, from Houlding & Son, Fremont, $6,589.

Michigan — State Hy. Dept. at office Comrs. Dickinson Co., Iron Mountain, grading and gravel surfacing 6.598 mi. State Trunk Line Rd. 12-51, from C. G. Bridges, Norway, $60,969. Noted Sept. 11.

Michigan — State Hy. Dept., Lansing, grading and concrete surfacing 3.106 mi. State Trunk Line Rd. 53-13, Macomb Co., from J. H. Lowe, Kalamazoo, $226,864.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., paving with 3½ in. sheet asphalt on 8 in. concrete Devonshire Ave. $20,365, Knodell Ave. $86,-280, and Petoskey Ave. $21,697; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., Alden Ave. $13,957, Ford Highway $74,879, Holmur Ave. Sect. 1 $9,307. Kentucky Ave. $8,741.

Kan., Erie — Neosho Co., grading and paving 6.952 mi. Federal Aid Project 242-A from Frye Bros. Contg. Co., Iola, $48,528; Bridge 1 and 2, from Topeka Bridge & Constr. Co., Stormont Bldg., Topeka, $2,395 and $8,171 respectively. Noted Sept. 4.

Minnesota — State Hy. Dept., St. Paul, grading, etc., 9.8 mi. Mission Creek-Pine Co. line Rd., State Project 23-30, Div. B, Federal Aid Project 257, 154,000 cu.yd. excav., from Weaver & Richardson, Anoka, at $0.28 per cu.yd.

Mo., Maryville—City Clerk Sept. 13, improving South Main and Market Sts., from Cook O'Brien Constr. Co., Kaw City, Kan., excav., $0.75 per cu.yd., curbing $0.76 per lin.ft., concrete slab $2.98 per sq.yd. Noted Sept. 11.

Streets and Roads (Continued)

Tex., Angleton—Brazoria Co. shell surfacing road already graded 7.85 mi. State Highway 19, Federal Aid Project 387, 18 ft., from L. J. Patton, 4730 Woodside St., Houston, $22,395; shell surfacing to be furnished by county, f.o.b. unloading points $46,370. Engrs. est. $70,000.

Tex., Boston—Bowie Co., grading and gravel surfacing 5.3 mi. State Highway 8, Federal Aid Project 445-B, 16 ft., from Thompson & Reeder, New Boston, $36,564. Engrs. est. $46,060. Noted Sept. 4.

Tex., Crockett — Houston Co., reshaping and surfacing with waterbound macadam base and 8 in. bituminous topping **(a)** rein.-con. **(b)** Uvalde Rock asphalt **(c)** inverted penetration bituminous topping, from Smith Bros., Inc., Amer. Natl. Bank Bldg., Dallas, **(a)** $202,311 **(b)** $109,656 **(c)** $97,968. Noted Sept. 25.

Tex., La Grange—Fayette Co., grading and gravel surfacing 9.48 mi. State Highway 20, State Aid Project 532, 18 ft., from Tibbetts Constr. Co., Mineral Wells, $102,311.

Tex., San Antonio—J. W. Tobin, mayor, City Hall, takes bids about Oct. 15, widening East Crockett St. from Alamo Plaza to Nacogdoches St. $50,000. I. Ewig, c/o City Hall, engr.

Tex., Waco—McLennan Co., paving 28,-090 sq.yd. Gorman, West and South 9th Sts., **(a)** rock asphalt **(b)** Willite **(c)** bitulithic from Uvalde Rock Asphalt Co., Frost Natl. Bank Bldg., San Antonio. **(a)** $80,868; from Fuller Constr. Co., 409 Southwestern Life Bldg., Dallas, **(b)** $91,531; from Central Bitulithic Co., Praetorian Bldg., Dallas **(c)** $88,373. Noted Sept. 11.

Calif., Glendale—From E. L. Fleming, 324 West Dryden Ave., improving Canada Blvd. and San Gabriel Ave., 148,416 sq.ft. grading at $0.0275 per cu.yd., 84,916 sq.ft. 4 in. asphaltic concrete paving $0.1875, 13,-648 sq.ft. guttering $0.24, 17,882 sq.ft. sidewalks $0.16, etc. Noted Sept. 25.

Calif., Roseville—Improving Riverside Ave., 7,000 lin.ft. concrete curb and gutter, 58,000 sq.ft. each asphaltic concrete paving and grading, 93,200 sq.ft. willite pavement, from Pacific States Constr. Co., Call Bldg., San Francisco, $33,524. Noted July 17.

Calif., San Anselmo — City Trustees, Sept. 15, improving various streets in Morningside Terrace, 8,000 cu.yd. excav., 126,650 sq.ft. grading and surfacing, 113,-000 sq.ft. 4 in. and 9,150 sq.ft. 5 in. two course paving, 4,500 sq.ft. 2½ in. curbing, guttering, etc., from Pacific States Constr. Co., Call Bldg., San Francisco, $90,445. Noted Aug. 7.

CONTRACTS AWARDED

Massachusetts — Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, surfacing with Simasco bituminous 30,000 sq.yd. Revere Beach Reservation Dr. from Eliot Circle to Revere St., in Revere, 1,000 tons crushed stone, to Simpson Bros., 77 Summer St., Boston, $63,125. Noted Sept. 25.

Mass., Boston—Park Dept., 33 Beacon St., widening and bitulithic resurfacing road in Franklin Park, Sect. 1, Bluehill Ave. to Valley Gate Triangle, to M. De Matteo, 12 Rowe Pl., Rosindale, $51,667. Noted Sept. 11.

Mass., Gardner—Rein.-con. paving 7,000 sq.yd. highway, to Laurenzi & Trogia, Leominster.

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, asphalt on macadam paving Holton, Perkins and Burroughs Sts., here, to Central Constr. Co., 228 Southampton St., Roxbury, $29,827. J. A. Rourke, comm.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to F. Persicano, 350 Fulton St., grading, curbing and flagging, etc., Ave. M $3,438; to B. Peconi & Son, 570 18th St., Beverly Rd. $2,572; to T. B. Scott, 671 Halsey St., Brooklyn Ave. $2,987, East 5th St. $3,188; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Ave. K $22,112; to Galco Contg. Co., 745 Dean St., grading, curbing and flagging Kings Highway $4,338; to Greico Bros., 172 Russell St., granite paving Noble St. $5,096, Sigourney St. $7,783. Noted Sept. 18.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks on Sheridan Blvd., to Nevaro Co. Inc., 97 Court St., Brooklyn, $266,035; 76th St., to F. Soverio, $11,811; South Rd., to Kennedy & Smith, 93 Amity St., Flushing, $36,095.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block repaving West 4th St., to J. Meehan & Son, 74 Cortland St., $61,436; sheet asphalt repaving West 84th St. and Madison Ave., to Brusstar Constr. Co., Harlem River and 150th St., $17,991 and $18,985 respectively, East 121st St., to Interboro Asphalt Co.. 2306 Creston Ave., $18,377; grading. curbing, etc., East 123rd St., to E. J. Fitzgerald, 547 West 45th St., $9,700, Seaman Ave. to Asphalt Constr. Co., 208 Bway., $58,850, Park Terrace, to Burnside Contg. Co., 270 Burnside Ave., $22,005. Noted Sept. 18.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro., Boro Hall, grading and bituminous macadam paving Scribner Ave., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond $11,565; grading Ridgewood Ave., to J. Conden, 341 Cornelia St., Brooklyn, $27,154. Noted Sept. 18.

New Jersey—State Hy. Comn., Trenton, concrete paving 53,181 sq.yd. Route 20, Sect. 1, Gloucester Co., to C. T. Kavanaugh, 32nd St. and Prospect Ave., Bayonne, $188,792. Noted Sept. 11.

Ohio—Dept. Highways & Public Wks., Columbus, grading bridging and bituminous macadam asphalt paving, 4.005 mi. Sect. "A" Carrollton- New Philadelphia Rd., Carroll Co., to H. F. Dougherty, Steubenville, $133,700; grading and bridging 1.468 mi. Sect. "A" Athens-McConnellsville Rd., Athens Co., to C. A. Baker, Marietta, $27,-945; grading and structures, on 1.598 mi. Sect. "D-2" Woodsfield-Clarington Rd., Monroe Co., to E. A. Hatcher, Mingo Junction, $32,629, 4.363 mi. Sect. "L" McConnellsville-Athens Rd., Morgan Co., to J. P. Mumaw, Cambridge, $38,049, Sect. "C" Toledo-Angola Rd., Williams Co., to Brannon Constr. Co., Bryon, $15,190. Noted Sept. 25.

O., Akron—W. F. Peters, dir. Pub. Serv., **(e. e. means engrs. est.)**, grading, cindering and laying 20,515 sq.ft. 4 in. concrete sidewalks on Dayton St., to L. W. Pelland, 860 Sheridan Ave., $8,775 e. e. $9,952, 14,-640 sq.ft. on Third Ave., to Shullo Constr. Co., 990 Chalker St., $9,411 e. e. $9,622, 9,850 sq.ft. on Brittain Rd., and grading and cindering 885 ft., Pioneer and Honodle Sts., to H. Gilbert, 19 North Martha Ave., $10,142 and $3,267 respectively, e. e. $11,-160 and $3,595 respectively; sheet asphalt resurfacing, 3,088 sq.yd. Douglas St., to T. E. McShaffrey Constr. Co., 171 South Forge St., $5,342, e. e. $5,504. Noted Aug. 21.

O., Cleveland—Grading, curbing, guttering and asphalt paving 16,050 sq.yd. East 128th and 135th Sts., to Cleveland Trinidad Paving Co., The Arcade, $66,178; vitr. brick paving, etc., 6,880 sq.yd. Gray Ave. and East 174th St., to H. G. Herring, 316 The Arcade, $31,585, 11,760 sq.yd. West 15th St. and Linnet Ave., to Roehl Bros., 7002 Denison Ave., $62,427, 12,540 sq.yd. Darwin Ave. and East 167th St., to Gould & Maybach, 16311 St. Clair Ave., $71,684, 28,510 sq.yd. Governor Ave., East 154th and 147th Sts., to Baldwin Bros., 4500 Euclid Ave., $146,547. Noted Sept. 25.

O., Cleveland—Grading, curbing, guttering and vitr. brick paving 5,590 sq.yd. Forest Ave., to Enterprise Paving and Constr. Co., 8436 B'way., $28,315, Yorick Rd., to Garland Bros., 5806 Franklin Ave., Cleveland Rd., to River Constr. Co., 2804 Mapleside Ave., $19,135; grading, curbing, guttering and asphalt paving 25,400 sq.yd. East 55th St. from Carnegie to Woodland Aves., to Cleveland Trinidad Paving Co., The Arcade, $123,511, 10,380 sq.yd. East 55th St. from Woodland to Grand Aves., to Bentley Bros., 3030 The Arcade, $52,982. Noted Sept. 25.

O., East Liverpool—Improving 0.5 mi. West 8th St. from Lisbon St. to Jethero fill, Willite, to Allison & Harris, East Liverpool, $25,700. Engrs. $30,000. Noted July 10.

O., Shaker Heights (Cleveland P. O.)—Asphalt on concrete paving Broxton Rd., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $16,374, Brantley and Claythorne Rds., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $47,327.

Michigan — State Hy. Dept. at office Comrs. Manistee Co., Manistee, to L. W. Edison, Rogers City, grading and surfacing 4.962 mi. Federal Aid Project 129 A1, $114,-918, 5.088 mi. Federal Aid Project 129 A2, $134,306, 0.868 mi. Federal Aid Project 129 A3, $28,962; to L. I. Goldberg, Scottville, concrete paving 6.835 mi. Federal Aid Project 129 A4, $190,299. Noted Sept. 18.

Michigan — State Hy. Dept. at office Comrs. Montmorency Co., Atlanta, grading and graveling 3.214 mi. State Trunk Line Rd. 32-6 B, to McDonnell & Donnelly, Bay City, $50,727. Noted Sept. 25.

Mich., Detroit — To Cleveland Trinidad Paving Co., 402 Hammond Bldg., paving with 3½ in. sheet asphalt on 8 in. concrete, Chalmers Ave. Sect. 4 $66,908; to Cooke Asphalt Paving Co., 1260 Penobscot Bldg., Glenfield Ave., $113,572; to C. L. Lincoln, 8074 East Canfield Ave., Lamber Ave., base only $7,371, to Dept. Pub. Wks., asphalt top $2,551; to Detroit Asphalt Paving Co., 309 Free Press Bldg., Clayton Ave., $24,883, Erbie Ave. $16,618, Sterritt Ave. $19,592, and Strong Ave. $25,745. Noted Sept. 18.

N. J., Asbury Park—Neptune Twp., 8 mi. terra cotta pipe sewers, manholes, etc., to J. P. White Co., 212 Washington Pl., Passaic, N. J., $48,850.

N. J., Ocean City — Bd. City Comrs., sheet asphalt paving various streets and avenues, Contr. 767, to Union Paving Co., 30th and Locust Sts., Phila., $361,580. Noted Sept. 4.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. Application)**, to McNichol Paving & Constr. Co., 1923 Cherry St., Phila., rein.-con. surfacing R. 178, Montgomery Co., 27,500 sq.yd. rein.-con. $286, 5,025 cu.yd. unclassified excav. $1.45, total $102,099; to M. J. McHale, Norwood R. 162, Carbon Co., 8,700 cu.yd. excav. $3.35, 2,848 cu.yd. Class B concrete $17.75, 52 cu.yd. Class A concrete $46, total $86,246; to Lane Constr. Corp., Meriden, Conn., R. 19, Sect. 4, Lycoming and Sullivan Counties 27,500 sq.yd. rein.-con. $2.90, 9,037 cu.yd. unclassified excav. $1.80, total $118,613; to J. F. Chapman & Son, Hillside, N. J., A. 2018, Monroe Co., 11,911 sq.yd. rein.-con. $3.50, 2,871 cu.yd. unclassified excav. $1.50, total $61,180. Noted Sept. 18.

Maryland — State Rds. Comn., Baltimore, concrete paving 1 mi. highway through Oxford, Contr. T-20, Talbot Co., to P. D. Phillips & Bro., Salisburg, $29,-825, 1 mi. road from Defense Highway to Landover, Contr. P-54, Prince George's Co., to Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $29,657; macadam resurfacing 1.5 mi. road from National Pike, 1 mi. west of Boonsboro to Mill Point, Contr. W-33, Washington Co., to Bester-Long Co., Hagerstown, $27,796; graveling 1 mi. road from Scaggesville to Fulton, Contr. Ho-50, Howard Co., to T. Mullan, 3945 Greenmount Ave., Baltimore, $7,857. Noted Sept. 18.

W. Va., Wayne—Wayne Co., grading 4.4 mi. Wilson Creek-Boston Rd., Project 100, to Hatfield Constr. Co., 418½ 10th St., Huntington, $39,865.

N. C., Elm City—Sheet asphalt on concrete paving, curbing, guttering and sewers in various streets, to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $42,000.

S. C., Bennettsville—Marlboro Co., gravel surfacing 8.8 mi. Federal Aid Project 74-B, to H. M. Austin Sandford, $51,464. Noted Sept. 11.

S. C., Lexington—Lexington Co. sandclay surfacing 8.6 mi. State Project S-533, to J. A. Livingston, North, $48,691.

S. C., St. George—Dorchester Co., sand clay surfacing 6.2 mi. State Highway 61, State Project S-512, to J. Richardson Constr. Co., Charleston, $38,181; 3 timber bridges on same, to L. A. Chitwood, Columbia Bank Bldg., Columbia, $8,971. Noted Sept. 11.

Ala., Birmingham—Asphalt on concrete surfacing 7 blocks 10th Ave., to Southern Roads Co., 104 North 17th St., Birmingham, $53,306. Engrs. est. $54,000.

Ala., Huntsville — Asphalt on concrete paving 2 mi. Huntsville-Whitesburg Rd., 20 ft., Madison Co., to Lasley Bros., Chattanooga, Tenn., $59,835. Engrs. est. $60,-000. Noted Aug. 21.

Louisiana — State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 4.51 mi. State Project 315 B, Natchitoches Parish, from Scott & Bros., Natchitoches, $30,110.

Mississippi — State Hy. Dept., Jackson, graveling 20 mi. highway in Union Co., to Nixon & Phillips, Water Valley, $155,000.

Miss., Corinth—Alcorn Co., grading and gravel surfacing 3.74 mi. Federal Aid Project 178, to J. W. McLaughlin, Iuka, $29,-939; furnishing gravel, to Allen Gravel Co., Exch. Bldg., Memphis, Tenn. Noted Sept. 4.

Miss., New Albany—Grading and gravel surfacing 14.829 mi. Federal Aid Projects 173-A and 177-A, Union Co., to Nixon & Phillips, New Albany, $155,519. Furnishing gravel, to Tombigbee Sand & Gravel Co., and Allen Gravel Co., New Albany. Noted Sept. 4.

Ohio — Dept. Highways & Pub. Wks, Columbus, grading, bridging and paving 0.218 mi. Sect. "P-1" Mansfield-Ashland Rd., Ashland-Richland Counties, brick, to C. Brindle, Kent. $19,728, 1.863 mi. Sect. "C" Greenville-Union City Rd., Darke Co., rein.-con., to Hinton & Smally Celina, $43,-

Streets and Roads (Continued)

618, 4.937 mi. Sects. "A-1" "B" and "C" Sandusky-Norwalk Rd., Erie Co., concrete and 2.939 mi. Sect "B" Fremont-Tiffin Rd., Sandusky Co., bituminous macadam asphalt, to Modern Constr. Co., Fremont, $141,828 and $66,599 respectively, 2.002 mi. Sect. "A-1" Baltimore-Fostoria Rd., Hancock Co., waterbound macadam, to C. E. Edington, Findlay, $27,227, 2.44 mi. Sects. "B" and "Liberty" Liberty-Adrian Rd., Kentucky rock asphalt, Henry Co., and 1.25 mi. Sect. "E" Stryker-Evansport Rd., Williams Co., asphalt macadam, to A. Langenderfer, Toledo, $98,003 and $12,631 respectively, 0.136 mi. Sect. "Greenfield West" Cincinnati-Chillicothe Rd., 0.072 mi. Sect. "Greenfield" Greenfield-Hillsboro Rd., 3.059 mi. Sect. "H" Ripley-Hillsboro Rd., all Highland Co., brick, to A. K. Grandle, Leesburg, $6,727, $3,553 and $12,466 respectively, 1.444 mi. Sect. "P" Plymouth-Norwalk Rd., Huron Co., rein.-con., to C. J. Baltes, Norwalk, $46,129, 1.085 mi. and 1.055 mi. Sect. "Coalgrove" Ohio River Rd., Lawrence Co., brick, to Mayo Bros., Ironton, $27,233 and $6,489 respectively, 2.032 mi. Sect. "A" Toledo-Detroit Rd., Lucas Co., concrete, brick and waterbound sub-base, to J. A. LaBoiteaux, Toledo, $103,512, 0.945 mi. Sect. "G" Youngstown-Pittsburgh Rd., Mahoning Co., waterbound macadam and concrete to A. Colucci, Poland Village, $23,392, 0.906 mi. Sect. "Eaglewood Dam" National Rd., Montgomery Co., rein.-con., to Little & Fischer, Dayton, $48,462, Sects. "U" "T" and "Vandalia," Montgomery Co., concrete, to Radebaugh & Graham, 145 North Front St., Columbus, $156,158, 3.263 mi. Sect. "G" Mt. Gilead-Sunbury Rd., Morrow Co., waterbound macadam, incl. stone, to T. L. Losey, Kenton, $44,359, 1.762 mi. Sect. "A-1" Caldwell-Barnesville Rd., Noble Co., rolled Sandstone base, to Merry & Miller, Caldwell, $34,997, 0.383 mi. Sect. "Beaver" Piketon-Jackson Rd., Pike Co., special rein.-con., to I. J. Kuehner, Jackson, $16,-339, 0.448 mi. 0.158 mi. Sect. "Belleville" and 0.195 mi. Sect. "D" Belleville-Lexington Rd., Richland Co., to H. Strodbeck, Ashland, $20,167, $8,932 and $10,756 respectively, 1.091 mi. Sect. "P-1" Chillicothe-Ligan Rd., Ross Co., plain concrete, to W. H. Ringwald, Chillicothe, $35,383, 2.164 mi. Sect. "L" and "Otway" Portsmouth-Hillsboro Rd., Scioto Co., gravel and bituminous macadam tar, to Harper & Ruel, Portsmouth, $52,901, 3.258 mi. Sect. "D" Canton-Alliance Rd., Starke Co., brick to Studebaker & Son, Greenville, $124,343, Sect. "H" Ravenna-Louisville Rd., Star Co., waterbound macadam, to Seiple Wolfe Constr. Co., Youngstown, $111,653, 0.54 mi. Sect. "H" Millersburg-Canal Dover Rd., Tusoarawas Co., rein.-con., to Daly Bros., Bolivar, $16,990; grading and structures on 0.872 mi. Sect. "A-1" Toledo-Angola Rd., Williams Co., to Ideal Constr. Co., Upper Sandusky, $3,104, 3.437 mi. Sect. "C-Crown City" Ohio River Rd., Gallia Co., to Miller Bros., Gallipolis, $54,867, 5.634 mi. Sect. "H" and 1.088 mi. Sect. "A-3" McArthur-Logan Rd., Hocking Co., to L. S. Gaty, 3720 North High St., Columbus, $74,-893 and $11,097 respectively; grading and bridging 4.176 mi. Sect. "E" Marietta-Athens Rd., Athens Co., and 1.27 mi. Sect. "F" Marietta-Athens Rd., Washington Co., to C. A. Baker & Co., Marietta, $57,268 and $32,386 respectively, 2.39 mi. Sect. "G-1" Defiance-Delphos Rd., Defiance Co., to Erman & Seibel, Defiance, $5,903. Noted Sept. 25.

O., Idlewood (Cleveland Heights P. O.) —Asphalt paving Barrington and Fridel Rds., to Highway Constr. Co., 903 Lorain Bank Bldg., Elyria, $34,386. Noted Sept. 11.

Ill., Vendalia—Brick on concrete paving, grading, etc., 8,200 sq.yd. West Gallatin St., to W. C. Johnson, Twenhoefel Bldg., Belleville, $33,606. Engrs. est. $35,845. Noted Sept. 4.

Wisconsin—State Highway Comn., Madison, improving Drummond-Ashland Rd., Federal Aid Project 187 S, Bayfield Co., to Nelson-Grant, Superior, $32,581.

Ia., Seymour—Paving streets in Dist. 32-C, 4,100 sq.yd. 8 in. rein.-con., also concrete paving other streets, to McCarthy Impvt. Co., foot of Myrtle St., Davenport, $11,131 and $90,000 respectively.

Minnesota — State Hy. Dept., St. Paul, gravel surfacing 12 mi. Minnesota Lake-Mapleton Rd., Minnesota Trunk Highway 39, to Carpenter & Walker, Sauk Centre, $30,936.

Minn., LeSueur Center — Grading Job 2402, Road 17, 55,817 cu.yd. excav., 138,-450 cu.yd. overhaul, to F. S. Pettyjohn, 32 Viola St., St. Paul, $15,277, monolithic culverts, to B. Zachor, LeSueur, $5,445; grading Job 2307-B, State Road 35, 33,422 cu.yd. excav., 99,687 cu.yd. overhaul, R. B. Fraser, Northfield, $9,914, Job 3401, State Rd. 33, 15,885 cu.yd. excav., 39,395 cu.yd. overhaul, to J. Brown Constr. Co., Madison Lake, $4,856. Noted Aug. 28.

Minn., Willmar—Kandiyohi Co. grading 10.7 mi. Job 2405, State Road 20, 58,216 cu.yd. excav., 81,449 cu.yd. overhaul, 4.2 mi. Job 2406, State Road 19, 41,140 cu.yd. excav., 76,000 cu.yd. overhaul, etc., to Olson & Carlson, New London, $13,916 and $12,-659 respectively; culverts, to Elk River Concrete Products Co., Elk River, $3,602.

Kan., Erie — Grading and feather edge gravel surfacing 6.952 mi. Federal Aid Project 242-A, 18 ft., Neosho Co., to Frye Bros., Iola, $48,929.

Kan., Manhattan — Grading and hard-surfacing Colorado, Poyntz and Ratone Sts., 5,173 sq.yd. asphalt on concrete, 1,927 sq.yd. brick on concrete, to Amermann Paving Co., & J. McKeeman, Manhattan. Engrs. est. $25,000.

Neb., Holdrege—Clerk Phelps Co. improving 21.813 mi. Minden-Oxford Rd., Federal Aid Project 145 A, gravel surfacing, to Allied Contractors Co., 1803 Douglas St., Omaha, $40,394; grading, to Phelps Co., c/o County Clerk, Holdrege, $8,975; culverts, to Midstate Constr. Co., Hastings, $5,955. Noted Aug. 28.

Neb., Lincoln—To Cochrane Constr. Co., 822 First Natl. Bank Bldg., asphaltic concrete paving Dist. 595, $2,977, Dist. 519, Q St. between 30th St. and Tuttle Sub-division, $4,876, Dist. 598, 34th St. between R and O Sts., $13,716, Dist. 599, 19th St. between P and R Sts. $73,307, Dist. 593, 31st St. between R and T Sts. $5,064; to Abel Constr. Co., 318 Terminal Bldg., Dist. 582, $6,309, Dist. 563, Saratoga Ave. between 11th and 13th Sts. $6,246; to Reimers-Kaufman Co., Dist. 135, $1,070, and Dist. 144, $2,822.

Neb., McCook—Red Willow Co. improving McCook-Trenton Rd., Federal Aid Project 68-B, paving, to Allied Contractors Inc., 1803 Douglas St., Omaha, $26,510; gravel surfacing, to Red Willow Co., c/o Co. Clerk, $7,320. Noted Sept. 4.

Neb., Omaha—Douglas Co., paving 15,-000 sq.yd. 60th St., 1½ mi. north from Redmond Ave., to J. J. Parks Co., 4 Elks Bldg., Omaha, $50,000.

Mo., Centralia — Improving 9 blocks Allen, Sneed, Singleton, Rollins and Railroad Sts., 15,300 sq.yd. concrete paving, 5,350 ft. concrete curbing, 500 ft. radius curbing, etc., to Frye Bros., Iola, Kan., $44,480. Engrs. est. $50,000.

Arkansas—State Hy. Dept., Little Rock, grading, gravel surfacing, etc., 2.35 mi. Federal Aid Project 183-A, St. Francis Co., to McWilliams Co., Inc., Exch. Bldg., Memphis, Tenn., $37,551. Noted Sept. 18.

Ark., Ft. Smith—Improving Dists. 29, 1,470 cu.yd. earth and 440 cu.yd. rock excav., 820 ft. 15 and 18 in. sewers, 5,450 sq.yd. vibrolithic concrete, 4,190 ft. curbing, etc., also Dist. 30, 3,600 cu.yd. earth excav., 550 ft. 15 and 18 in. sewers, 13,900 sq.yd. vibrolithic concrete, 10,730 ft. curbing, etc., to Phoenix Constr. Co., Ft. Smith, $16,143 and $35,395 respectively.

Tex., Breckenridge — Permanent street paving Shelton Ave. 6 in. rein.-con., to Texas Willite Constr. Co., 1205½ Capitol Ave., Houston, $2.39 per yd. Noted Sept. 18.

Tex., Center—Shelby Co., grading and bridging 11.45 mi. State Highway 35, Federal Aid Project 348-B and C, 24 ft., to Hannah Constr. Co., Box 994, Waco, $46,904. Engrs. est. $54,000. Noted Aug. 14.

Tex., Jasper — Jasper Co., to R. H. Minton, Hemphill, grading, bridging, etc. 9.1 mi. State Highway 8 Federal Aid Project 350, 33,808 cu.yd. earth excav. $0.22 per cu.yd., 112,586 cu.yd. borrow $0.22, 18,928 cu.yd. gravel 1st ¼ mi. haul $0.50 additional ¼ mi. haul $0.75, etc., total $139,-846. Noted Sept. 11.

Tex., Rockwall — Rockwall Co., grading and concrete surfacing 9.3 mi. Rockwall-Heath Rd., 8 ft. (single track), to Kirk & Patterson, Corsicana, $103,417. Engrs. est. $115,000. Noted Aug. 21.

Oklahoma — State Hy. Dept. Oklahoma City, grading, paving, etc., 4 mi. Enid Rd., Federal Aid Project 148-A, Garfield Co., 43,500 sq.yd. concrete, 32,500 cu.yd. excav., to Yates Constr. Co., Ada, $125,865, engrs. est. $135,000; 4.975 mi. same road. Sect. B, 39,000 cu.yd. earth excav., 51,330 sq. yd. concrete, to Hyde Constr. Co., Amer. Bank Bldg., Enid, $141,568, engrs. est. $150,000.

Oklahoma — State Hy. Dept., Oklahoma City, grading and paving 0.55 mi. Tonkawa-Perry Rd., Kay Co., 6,000 sq.yd. vertical fibre brick, 60 cu.yd. concrete, 7,500 cu.yd. excav., to Bert Brooks, Inc., Tonkawa, $25,831. Engrs. est. $30,000.

Okla., Enid—Improving 5 blocks Kenwood Blvd. 5,700 sq.yd. concrete, 1,900 cu. yd. excav., to Green-Beekman Co., 419 West 21st St., Oklahoma City, $25,311. Engrs. est. $27,000. Noted Aug. 21.

Okla., Oklahoma City—Paving 13th St. 2 in. asphalt on 5 in. concrete, also paving Ave. A, with rock asphalt, to Western Paving Co., Tradesmens Natl. Bank Bldg., $39,075.

Okla., Stroud—Improving 7 blocks Main St. and Central Ave., 15,300 sq.yd. vertical fibre brick, 3,900 lin.ft. curbing, 5,200 cu. yd. earth and 175 cu.yd. rock excav., to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $76,846. Engrs. est. $80,000. Noted Aug. 7.

Okla., Tulsa—Tulsa Co., improving 3 mi. Claremore-Garnett Rd., 17,300 sq.yd. concrete, 18,000 cu.yd. excav., to Burke Gibbs Co., 717 Wright Bldg., Tulsa, $70,950. Engrs. est. $77,000.

Wash., Seattle—Bd. Pub. Wks., paving North 61st St., et al., to Fiorito Bros., 3950 6th St. N. W., $36,233, engrs. est. $32,000; 16th Ave. N. E., et al., to R. G. Stevenson, 1327 North 34th St., $85,839, engrs. est. $85,000.

Washington—State Hy. Comn., Olympia, to Mohr Constr. Co., Spokane, grading and crushed rock surfacing about 5.2 mi. State Rd. 10, Chelan and Okanogan Counties, 40,560 cu.yd. earth excav. at $0.34 cu.yd., 6,830 cu.yd. loose rock excav. $0.50, 8,030 cu.yd. rock surface $1.40, 1,800 sq.yd. solid rock excav. $1.50, 15,750 sq.yd. overhaul $0.05, total $69,225.

California—State Highway Comn., Sacramento, asphaltic concrete paving 1.7 mi. Chico Rd. and Sacramento Ave., Butte Co., to Chico Constr. Co., Chico, $32,903. Noted Aug. 28.

Calif., Compton—To G. H. Oswald, 366 East 58th St., Los Angeles, improving Orange and Willow Sts., etc., 17,860 ft. curbing at $0.50 per ft., 86,930 ft. sidewalks $0.16, 263,500 sq.ft. grading $0.015, 263,500 sq.ft. 5 in. concrete paving $0.16, etc. Noted Sept. 18.

Calif., Hawthorne — Improving Cedar, Euclid Sts., et al., to G. R. Curtis Paving Co., Inc., 366 East 58th St., 20,748 lin.ft. grading $49,800 (lump sum), 40,882 lin.ft. curbing at $0.65 per ft., 198,091 sq.ft. 4 in. cement sidewalks $0.22, 81,840 sq.ft. 5 in. cement gutter $0.31, 638,872 sq.ft. 1½ in. Willite on 2½ in. concrete $0.225, total $289,094.

Calif., Los Angeles—Supervs. Los Angeles Co., improving Otis Ave., between Baker and Florence Aves., to Basich Bros. Co., 3788 South Vermont St., 950 cu.yd. remove disintegrated granite base at $0.60 per cu. yd., 11,372 cu.yd. replace disintegrated granite base $0.16, 4,027 cu.yd. excav. $0.46, 2,575 lin.ft. curbing $0.46, 11,227 sq.ft. guttering $0.22, 10,125 sq.yd. concrete paving $1.66, total $28,683. Engrs. est. $33,612. Noted Aug. 28.

Calif., Lynwood — Grading, guttering, curbing, sidewalks and 4 in. macadam paving 54,450 sq.ft. Penn and Grant Sts., etc., to Hall-Johnson Co., 1611 East 6th St., Los Angeles, $21,429. Noted Sept. 25.

Calif., Marysville — Yuba Co., concrete paving 5 mi. roads in Plumas Lake Dist., to Heafy-Moore-McNair, 2030 High St., Oakland, $15,415 per mile.

Calif., Oakland—Improving East 12th St., 8,300 yds. excav. and grading, 200 cu.yd. ditch excav., 257,000 ft. 5 in. concrete base, 1-2-4 mix, 257,000 ft. 6 in. concrete base, 1-3-6 mix, 257,000 ft. 2 in. Warrenite surface, to Bates & Borland, Bank of Savings Bldg., $98,796.

Calif., San Diego—Common Council, improving Arnold St., to G. R. Daley, 4430 Boundary St., $27,787. Noted Sept. 18.

Calif., Venice—Improving South Trolley Way (Pacific Ave.) 78,786 sq.ft. 7 in. and 3,125 sq.ft. 5 in. asphaltic concrete paving, 650 sq.ft. sidewalks, 82,571 sq.ft. grading, curbing, etc., to S. Pearson, 3847 South Bway., Los Angeles, $32,273. Noted Sept. 11.

Ont., Tecumseh—Town Council, concrete paving Lesperance Rd., to Merlo, Merlo & Ray, Ford, $35,000.

Buildings—Industrial

PROPOSED WORK

Me., Calais—Plant—St. Croix Gas Light Co., plans new plant and equipment. To exceed $100,000. Engineer and architect not selected.

Mass., Boston—Printing—Rand Avery Supply Co., 117 Franklin St., plans print

Buildings—Industrial (Continued)

ing building, Commonwealth Ave., near Braves Field. $150,000 or more. Engineer and architect not selected.

R. I., Cranston — Plant — Narragansett Braiding Co., Globe St., Providence, plans large plant, here. $75,000. Engineer and architect not selected.

Conn., Groton—Factory—New London Ship & Engine Co., Groton, plans 60 x 200 ft., brick and steel fabrication factory with 105 x 305 ft. steel-skeleton for electric crane. To exceed $40,000.

Conn., Salisbury — Laboratory — Oxy Christine Co., plans 2 story and basement, 35 x 100 ft. chemical laboratory, $40,000.

N. Y., Buffalo—Plant—Pennzoil Co. Inc., 158 Pearl St., plans plant, Spiller St. To exceed $200,000.

N. Y., Lackawanna (Buffalo P. O.)—Mill—Bethlehem Steel Co., making plans 200 x 300 ft., rein.-con., brick and steel mill. $500,000. Noted Aug. 14.

Pa., Corry—Factory—Corry Jamestown Mfg. Co. having plans prepared by O. Johnson, Jamestown, N. Y., 4 story, 61 x 131 ft., brick and steel addition. $65,000.

Pa., Union City — Factory — Eastman Mfg. Co., having plans prepared 2 story, 60 x 104 ft. addition. $50,000. Private plans.

La., Shreveport — Laundry — White Cleaners and Dyers soon takes bids 2 story 50 x 120 ft., reni.-con. and brick, Gary and Pierre Sts. $45,000. Private plans.

Tenn., Memphis—Ice Plant—See "Buildings—Commercial."

O., Cleveland—Factory—Bender Body Co., 6209 Barberton Ave., had plans prepared 1 story, 77 x 150 ft., brick and steel, 6209 Barberton Ave. $40,000. Private plans.

O., Cleveland — Factories — Harshaw, Fuller & Goodwin Co., 545 Hanna Bldg., had plans prepared two 1 story, 51 x 164 ft., and 28 x 46 ft., brick and steel. $40,000. Private plans.

O., Cleveland—Shop—Carey Machine Co., 5606 Curtiss Ave., having plans prepared by E. McGeorge, archt. and engr., 3030 Euclid Ave., 1 story, 90 x 122 ft., brick and stone, Cassins Ave. $50,000.

O., Columbus—Factory—Columbus Beveling & Silvering Co., making plans 3 story, 40 x 119 ft., brick, East Toodale St. $160,000. Private plans. E. G. Hill, genl. mgr.

Ill., Laurel—Factory—Owner, c/o Laurel Chamber Commerce, making preliminary plans paper bag factory, brick and concrete. $100,000.

Wis., Berlin—Cannery—Fuhremann Canning Co., c/o J. Fuhremann, pres., takes bids about Oct. 5, 2 story, 40 x 70 ft. main factory, 2 story, 52 x 100 ft. warehouse, and 1 story, 30 x 40 ft. boilerhouse, all brick and tile, plain foundation. $85,000. Private plans.

Wis., Green Bay—Laundry—State Bd. of Control, Capitol Bldg., Madison, having plans prepared by A. Peabody, Madison, 2 story, brick and rein.-con., plain foundation, here. $40,000.

Mo., Aurora — Plant — Lawrence Co. Water, Light & Cold Storage Co., soon takes bids steam generating plant, 500 kw. capacity, here, also 8 mi. three wire No. 8 copper wire transmission lines from Billings to Republic and 5 mi. distribution circuits in Republic. $200,000. S. Merkle, Aurora, engr.

Mo., St. Louis — Plant — Community Power & Light Co., 408 Pine St., plans central steam power plant, on west bank of Mississippi River in Cape Girardeau Dist. for Missouri Pub. Utilities Co., also transmission lines, connection, etc. $2,000,000.

Mo., St. Louis—Plant—Mississippi Glass Co., 4070 North Main St., having plans prepared by Carey & Esselstyn, 603 Hoffman Bldg., Detroit, Mich., 1 story, 60 x 342 ft., rein.-con., brick and steel, plain foundation.

Mo., St. Louis—Power Plant—Washington University, Skinker and Lindell Sts., making preliminary plans rein.-con. and brick power plant, equipment, and 175 ft. brick stack. $250,000. Private plans.

Tex., Denton—Refrigeration Plant—See "Buildings—Commercial."

Tex., Panhandle — Refinery — J. W. Wrather, Amarillo, plans oil refinery here. $150,000.

Tex., Vernon—Plant—Morrison & McCall, Inc., soon takes bids ice plant. $42,000. Private plans.

Calif., Martinez — Warehouse — Balfour-Guthrie Co., 351 California St., San Francisco, plans rebuilding grain warehouse, recently destroyed by fire. $150,000 or more.

Calif., Riverside—Factory, etc.—Beaver Glass Mfg. Co., Garland Bldg., plans 60 x 200 ft. factory, and 50 x 175 ft. warehouse.

Calif., Sebastopol—Plant—Sebastopol Co-Operative Canning Corp. (H. Elphick, I. N. Gable, et al., interested), Sebastopol, plans packing plant. $150,000. Engineer and architect not selected.

N. B., St. Stephen—Plant—Maritime Electric Co., plans rebuilding plant, recently destroyed by fire. $250,000.

Ont., Brampton—Factory—J. W. Hewetson Shoe Co., having plans prepared 2 story, 50 x 150 ft., brick addition. $100,000. Private plans.

BIDS DESIRED

Mass., East Boston (Boston P. O.)—Warehouse—Standard Oil Co. of New York, 31 St. James Ave., taking bids 2 story (ultimately 4 story) and basement, 95 x 160 ft., brick and tile. To exceed $40,000. Private plans.

Pa., Bellefonte—Power Plant—See "Unclassified."

Mich., Detroit—Power House—Oct. 8, by C. A. Gadd, business mgr. Bd. Educ., 1354 Broadway Ave., 2 story and basement, 59 x 65 ft., rein.-con., brick and steel, plain foundation, La Salle Blvd. and Tuxedo Ave. McColl, Snyder & McLean, 2348 Penobscot Bldg., engrs. Malcolmson & Higginbotham, 1217 Griswold St., archts.

Wis., Portage — Creamery—Portage Co. Operative Creamery, taking new bids 2 story and basement, 68 x 80 ft., brick and concrete, plain foundation. $40,000. Kampfer & Buetow, 1380 Blair St., St. Paul, Minn., archts. Former bids rejected. Noted Aug. 28.

CONTRACT AWARDED

Mass., Dorchester (Boston P. O.)—Repair and Service Garage—Stilphen Motor Co., 395 Columbia Rd., 1 story, 17,000 sq.ft. floor space, rein.-con. and brick, to C. C. Temple, Co., 99 Chauncy St., Boston. Archts. est. $40,000. Noted Sept. 11.

Mass., Medford — Manufacturing — Frankini Bros., 26 Rockwell Ave., will build 1 story, 60 x 150 ft., rein.-con. and cement block, Mystic Ave., and Swan St., by day labor. $40,000. Private plans.

Mass., Plymouth—Plant—Scudder Coal Co. will build coal plant addition, by day labor. $40,000. G. P. Carver, Inc., 261 Franklin St., Boston, archts. Noted Sept. 11.

Mass., Worcester — Factory — Johnson & Bassett, Inc., Foster St., 6 story and basement, 30 x 90 ft., brick and rein.-con., Manchester St., to E. D. Ward Co., 82 Foster St. Archts. est. $65,000-$75,000.

N. J., Princeton—Boiler House—Day & Klauder, archts., Franklin Bank Bldg., Phila., 1 story, 51 x 110 ft., rein.-con. and stone, plain foundation, here, to H. E. Baton, 1713 Sansom St., Phila., for Princeton University.

Pa., Corry—Factory—Raymond Mfg. Co., general contract 2 story and basement, 60 x 95 ft. addition, to E. E. Austin Co., Erie. Archts. est. $40,000.

Pa., Phila.—Power House—Union Tank Car Co., 21 East 40th St., New York City, rein.-con., brick and steel power house, plain foundation, Penrose Ave., to Hughes, Foulkrod Co., Commonwealth Bldg. Archts. est. $50,000.

Pa., Phila.—Station—Freshofer Baking Co., 20th and Indiana Sts., 1 and 2 story and basement, 98 x 200 ft., brick, plain foundation, Granite and Darrah Sts., to P. Haibach Co., 1261 North 26th St.

Pa., Phila. — Workshop — Gulf Refining Co., Weidener Bldg., 2 story, 60 x 100 ft., and 1 story, 100 x 160 ft., brick and steel, plain foundation, Penrose Ave. east of Schuylkill River, to Austin Co., 1220 Jefferson Bldg., $70,000.

Pa., Pittsburgh—Plant etc.—Gem Mfg. Co., Goebel St., general contract, 1 story, 47 x 120 ft. plant and warehouse, to D. T. Riffle, 1006 Forbes St.

Pa., Washington—Plant—Finley Clay Pot Co., general contract 1, 2 and 3 story, 150 x 161 ft. wing addition to plant, to Austin Co., Union Trust Bldg., Pittsburgh.

Md., Baltimore—Automatic Sub-station—United Railways Co., Continental Bldg., 1 story and basement, 32 x 63 ft., brick and concrete, plain foundation, 305-7 Guilford Ave., to De Cou & Davis, 6 East Mulberry St., $40,000. Noted Sept. 18.

Md., Baltimore—Factory—C. M. Anderson, archt., 9 East Pleasant St., 5 story, concrete and steel, 1718-1719 East Pratt St., to Consolidated Eng. Co., Calvert Bldg., for Goodwill Industries, Inc., 207 South Bway. $100,000. Noted

O., Akron—Factories—General Tire & Rubber Co., 1708 East Market St., 1 story and basement, 60 x 180 ft., and 3 story and basement 40 x 180 ft., brick, steel and concrete, to Carmichael Constr. Co., 524 Central Savings Trust Bldg. Archts. est. $100,000. Noted Sept. 4.

Wis., Mayville—Plant—Mayville White Lime Co., will rebuild 2 story, 52 x 119 ft., concrete and steel, plain foundation, by day labor. $40,000. Eckermann & Ruddell, 279 Layton Blvd., Milwaukee, engrs. Noted Aug. 28.

Wis., Milwaukee — Laundry — Davis & Tuckwell, archts., 377 Natl. Ave., 1 and 2 story, 24 x 33 ft., and 60 x 72 ft., brick and timber, plain foundation, Clybourn St., to Kohl & Keating, 428 Grand Ave., for O. Wollner, c/o architects. Archts. est. $50,000. Noted Aug. 28.

Wis., Rhinelander—Plant—Daniels Mfg. Co., will build 1 story and basement, 62 x 200 ft., brick and concrete, plain foundation, by day labor. To exceed $40,000. L. A. DeGuere, Wood Block, Wisconsin Rapids, engr.

Ia., Ft. Madison—Plant—Artesian Ice Co. 1 story, 40 x 160 ft., brick and concrete addition, by day labor, under supervision of H. Friedl, archt., 508 North Dearborn St., Chicago, Ill. $75,000.

Ia., Sioux City—Shop and Engine House—Sioux City Terminal Ry. Co., 1 story, 100 x 150 ft., brick and concrete engine house and machine shop, to B. E. Short, 418 Court St.

Mo., Cape Girardeau — Plant — Naeter Bros. Publishing Co., 2 story and basement, 100 x 100 ft., rein.-con. and brick, to Herhardt Constr. Co., Cape Girardeau. Archts. est. $75,000.

Mo., St. Louis — Plant — Chandeysson Electric Co., 4092 Bingham Ave., 1 story, 50 x 121 ft., brick and concrete, to Widmer Eng. Co., 602 Laclede Gas Light Bldg. Engrs. and archts. est. $50,000.

Mo., St. Louis—Plant-Amer. Stove Co., 827 Chouteau Ave., 2 story, 51 x 81 ft., brick and concrete, 4931 Daggett Ave., to Grone Constr. Co., 206 Benoist Bldg. Archts. est. $40,000.

Tex., Houston — Creamery — Nissley Creamery Co., Jones St., Ft. Worth, 3 story and basement addition to Texas Creamery Co., St. Emanual St., to J. B. Townsend, West Bldg., $59,300.

Calif., Los Angeles — Plant — Morgan, Walls & Clemens, archts., Van Nuys Bldg., 3 story and basement, 140 x 200 ft., brick and rein.-con., Georgia St., to Winter Constr. Co., Railway Bldg., for Evening Herald, 126 South Bway. $171,750. Noted Aug. 14.

Buildings—Commercial

PROPOSED WORK

Mass. Boston—Garages—M. Rosenberg, 1437 Commonwealth Ave. plans eighty 1 story, concrete garages, Colon and Buckminster Sts. $160,000. J. Kaufman, 1439 Commonwealth Ave., archt.

Mass. Boston—Office—Otis Elevator Co., 34 India St. plans office building, Clarendon and Stanhope Sts. $150,000 or more. Engineer and architect not selected.

Mass., Boston—Store and Office—Pettorino Bros., Eggleston Sq., having plans prepared by A. J. Halfenstine, 143 Washington St., 2 story and basement, brick and stone, Washington St. and Columbus Ave. $150,000.

Mass., Boston—Temple—Masonic Order, plans temple, to include offices, library, executive branches, banquet halls and auditorium with 5,000 seating capacity, etc. Supreme Council in charge. Engineer and architect not selected.

Miss., Booneville — Court House — Superior Co. having preliminary plans prepared by N. W. Overstreet, Overstreet Bldg., Jackson, 3 story, rein.-con., brick and stone. $150,000.

Mass., Chelsea—Apartment—Washington Realty Assn., c/o S. S. Eisenberg, archt., 46 Cornhill St., Boston, plans 3 story and basement, 40 x 300 ft., brick and stone, Washington Ave. $300,000.

Mass., Forest Hill (Boston P. O.)—Hospital—J. P. Manning, pres. Hospital Dept. City Hall, Boston, plans emergency hospital, here. To exceed $150,000. Engineer and architect not selected.

Mass., Medford—Garage, etc.—A. Fanci, 15 Yale St., having plans prepared by W. H. Fopiano, c/o Andrews, Jones, Biscoe & Whitmore, 60 Congress St., Boston, 1 story, 185 x 185 ft., brick and rein.-con., Mystic Ave. and Hancock St. $150,000.

Buildings—Commercial (Continued)

Mass., Medford (Boston P. O.)—Home—Lawrence Memorial Hospital, E. B. Moore chn., having plans prepared by C. B. Dunham, 6 Beacon St., Boston, 3 story and basement, 36 x 92 ft., brick home. $150,000. Noted June 12.

Mass., Needham—Exchange—New England Telephone & Telegraph Co., Oliver St., Boston, plans brick and stone exchange, Pickering St. To exceed $150,000. Private plans.

Mass., New Bedford—Theatre and Office—S. Besserosky, Acushnet Ave., having plans prepared by O. Crapo, Capitol Bldg., 2 story and basement, brick and rein.-con., Acushnet Ave. $150,000.

Mass. Norwood—Hospital—Town having preliminary plans prepared by J. W. Beal Sons, 62 Summer St., Boston, 2 story, brick hospital. $150,000.

Mass., Randolph—High School—Schoolhouse Com. having plans prepared by Funk & Wilcox, 26 Pemberton Sq., Boston, remodeling and rebuilding Stetson High School, 2 story and basement, brick, Main St. To exceed $150,000.

Mass., Reading — Hospital — Bd. Town Selectmen plan hospital. $150,000. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.)—Hospital—Institutions Dept., City Hall, Boston, plans moving Boston Chronic Hospital from Long Island to Park Hill Ave., here, which will necessitate remodeling present building and erecting new additions. Engineer and architect not selected.

Mass., Springfield—College—Amer. International College, C. S. MacGowan, supt., 963 Station St., having plans prepared by Kirham & Parlet, 25 Harrison St., 2 story, Amaron St. $200,000.

Mass., Westfield—Atheneum—Westfield Atheneum Assn., having preliminary plans prepared by Coolidge & Carlton, 89 Court St., Boston, 2 story, Court St. $150,000.

R. I., Providence — Temple — Masonic Temple Bldg. Com., Francis St., plans temple, Francis St. $2,500,000. Osgood & Osgood, Detroit, Mich., archts. Jackson, Robertson & Adams, 1216 Turks Head Bldg., will supervise construction. Noted Sept. 11.

Conn. Hartford—Apartment—S. Krupnikoff & R. Tuminsky, 644 Windsor Ave., having plans prepared by H. H. Beckanstin, 213 State St., three 3 story and basement, 35 x 60 ft., brick, Greenfield and Enfield Sts. $150,000.

Conn., Hartford—Business—J. Hershenow & A. Kamerman, 49 Anawan St., plans business block, New Britain Ave. $150,000.

Conn., Hartford—Hotel—T. C. Hardie, 72 Russ St., plans hotel, to replace present Hotel Garde, Asylum and High Sts. $2,500,000. Engineer and architect not selected.

Conn., Hartford—Nurses Home, etc.—Hartford Hospital, L. A. Saxton, supt., having plans prepared by C. J. Malmfeldt, 118 Asylum St., 1 story, 40 x 105 ft., and 36 x 80 ft. nurses home and recreation building. $150,000.

Conn., Hartford—Office—W. Goodwin, et al., 1204 Asylum Ave., soon takes bids 5 story and basement, brick, steel and concrete, plain foundation. $150,000. P. Goodwin, 4 East 53rd St., New York City, archt.

Conn., New Haven—Castle Hall—Building Comn., Knights of Pythias, c/o J. Bedford, 548 Orange St., plans large castle hall. $150,000. Engineer and architect not selected.

Conn., Stamford—Church—Holy Name Society, 234 South St., having plans prepared by H. F. Ludorf, 122 Main St., New Britain, brick and terra cotta church. $150,000.

Conn., West Hartford (Hartford P. O.)—School—School Dept., plans school, Fern St. and Ardmore Rd. $150,000.

N. Y., Albany — School — State College for Teachers, 2 wings, Western Ave., had plans prepared by S. W. Jones, state archt., 3 story, 92 x 120 ft., brick and steel addition, plain foundation, between Washington and Western Aves. $175,000.

N. Y., Brooklyn—Nurses Home—Emanuel Unity Hospital, St. Johns Pl., having plans prepared by Shampan & Shampan, archts. and engrs., 188 Montague St., 5 story, brick, steel and stone, plain foundation, St. Johns Pl. $200,000.

N. Y., Buffalo—Apartment—G. Zipp, 42 Clarendon Pl., plans 6 story, 100 x 256 ft., rein.-con., brick and steel, Main St. $2,000,000.

N. Y., New York—Apartment—Three Hundred Twenty-Two West 72nd St. Corp., M. M. Silverman, pres., 347 Madison Ave., had plans prepared by G. and E. Blum, archts. and engrs., 505 5th Ave., 15 story, 100 x 100 ft., brick, steel and stone, plain foundation, 322 West 72nd St. $1,000,000.

N. Y., New York—Loft—H. H. Jenkins, c/o Polhemus & Coffin, archts. 15 East 40th St., having plans prepared 14 story, brick, steel and stone, plain foundation, Madison Ave. and 37th St. $2,000,000.

N. Y., New York—Theater—Sal Brill, 1540 Bway., had plans prepared by E. DeRosa, 110 West 40th St., brick, steel and stone, plain foundation, Dyckman St. $250,000.

N. Y., New York—Theater and Hotel—J. N. Trainer, c/o T. W. Lamb, archt., 644 8th Ave., having plans prepared brick, steel and stone, plain foundation 42nd St. and 8th Ave. $1,500,000.

N. J., Freehold—High School—Bd. Educ. plans new school, West Main St. $250,000. Engineer and architect not selected.

N. J., Princeton—Apartment and Store—Prospect Apartments, Prospect Ave. and Murray Pl., Trenton, plans 3 story apartment and store building. $311,000. L. D. V. Sweezy, Bible House, New York City, engr.

N. J., Rahway — School — Bd. Educ. rejected bids Sept. 17, constructing new Roosevelt School. $200,000..

N. J., Trenton Junction (Trenton P. O.)—School, Dormitory, etc.—State Dept. Institutions & Agencies, State Office Bldg., Trenton, soon takes bids new 1 and 2 story, school, dormitory, laundry, etc., here, for New Jersey School for Deaf. $500,000. A. B. Mills, c/o owner, engr.

Pa., Allentown—School—Bd. Educ. having plans prepared by Jacoby & Everett, Commonwealth Bldg., 2 story and basement, 124 x 172 ft., brick, plain foundation.

Pa., New Castle—Hospital—New Castle Hospital plans 3 story and basement addition. $150,000.

Pa., Norristown—Hotel—H. L. Stevens, archt., 522 5th Ave., New York City, soon takes subbids 5 story and basement, 84 x 120 ft., brick and steel, plain foundation, for Norristown Hotel Corp., c/o Penn Trust Co. $250,000.

Pa., Phila. — Apartment — M. P. Levy, Upper Darby (Phila. P. O.), having plans prepared by C. E. Wunder, 1520 Locust St., 4 story and basement, 100 x 200 ft., brick, stone and steel, plain foundation, 69th and Market Sts., here. $300,000.

D. C., Chevy Chase (branch of Wash., D. C.)—Church—Wesley Methodist Episcopal Church having revised plans prepared by Frohman, Robb & Little, 140 Boylston St., Boston, Mass., church and parish house, Connecticut Ave. and Jenifer St. $200,000.

La., Shreveport — Courthouse — Caddo Parish Police Jury plans new court house. $1,000,000.

Tenn., Memphis — Office, etc. — Medical Arts Building having plans prepared by Tietig & Lee, 901 4th Natl. Bank Bldg., Cincinnati, O., 8 story, 58,139 sq.ft. floor space, incl. ice plant, garage, etc., Madison and 4th Sts. $775,000.

O., Canton—Commercial and Club House—Oct. 3, by H. L. Porter & R. McNally, archts., 3030 Euclid Ave., Cleveland, 4 story and basement, 50 x 120 ft., brick, steel and concrete, for Knights of Columbus. J. Blake, chn. Building Comn. $150,000.

O., Canton — Mercantile — Youngstown Capitalists, plan 4 story and basement, brick and terra cotta, 5th St. and Market Ave. N., here. E. A. Stanley and M. W. Scheibel, Youngstown, archt.

O., Cleveland — Apartment — S. Kraus, 8902 Kempton Ave., having sketches made by M. Altschuld, 5116 Woodland Ave., 3 story and basement, 66 x 130 ft., brick, Lakeview Rd. $150,000.

O., Cleveland—Apartment—J. Nozik, 994 Linn Dr., had plans prepared by A. F. Janowitz, 811 Prospect Ave., eleven 2 story and basement, 36 x 107 ft., brick and timber, East 106th St., $450,000.

O., Cleveland — Apartment — J. Becker, Society for Savings Bldg., having sketches made by Vink & Shimkola, 10405 Euclid Ave., 3 story and basement, 104 x 114 ft., brick and steel. $150,000.

O., Cleveland—Apartments—Atwater & Kaplan, 13821 St. Clair Ave., had plans prepared by M. Weis, 607 Union Bldg., two 3 story and basement, 38 x 107 ft., brick and timber, 611 East 106th St., $175,000.

O., Cleveland—Commercial and Garage—G. Zellers, Jr. 1771 East 12th St., had plans prepared by P. Matzinger, Hunkin-Conkey Bldg., 1 story and basement, 200 ft. frontage, brick and steel, Broadview Rd. and Searsdale Ave. $150,000.

O., Cleveland—Gymnasium—Bd. Educ., F. G. Hogen, dir., plans 1 story, brick, steel and concrete gymnasium for Glenwood High School. $153,200. W. R. McCornack, Sixth St. Clair Bldg., archt.

O., Cleveland — Restaurant and Office — Childs Co., 200 Fifth Ave., New York City, having plans prepared by G. B. Post & Sons, archts. and engrs., 101 Park Ave., New York City, brick, steel and stone, plain foundation, here. $500,000. Noted Sept 4.

O., Cleveland — High School — Bd. of Educ., F. G. Hogen, dir., plans High School of Commerce, 3 story and basement, brick, steel and concrete, West 49th St. near Lake Front. $1,700,000. W. R. McCornack, Sixth St. Clair Bldg., archt.

O., Cleveland—School—Bd. Educ., F. G. Hogen, dir., having plans prepared by W. R. McCornack, Sixth-St. Clair Bldg., Fortune Elementary School 2 story and basement, brick and steel, Governor Ave. $461,000.

O., Cleveland—Schools—Bd. Educ., having plans prepared by W. R. McCornack, Sixth St. Clair Bldg., 2 story and basement addition, Washington Park Blvd. $238,500; and 2 story and basement, East 164th St. and Groverwood Ave., $241,700, both brick, steel and concrete.

O., Cleveland Heights (Warrensville P. O.)—School—Bd. Educ., plans brick, steel and concrete, Mansfield and Lee Rds. $650,000. W. G. Nesbit, 1805 Lee Rd., Cleveland, clk.

O., Euclid—Schools—Election Nov. 4th, $500,000 bonds, 1 new school, and additions to 3 schools, brick, steel and concrete, for Bd. Educ. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts.

O., Lakewood (Cleveland P. O.)—Apartment—Epstein Bros., 9201 Yale Ave., having plans prepared by L. R. Walker & J. L. Maver, 1900 Euclid Ave., Cleveland, 3 story and basement, 43 x 157 ft., brick and timber, 1468 Highland Ave. $150,000.

O., New Philadelphia—High School—Election in November, $300,000 bonds Junior High School, 3 story and basement, for Bd. Educ. Walker & Norwick, 1301 American St., Dayton, archts. Noted Sept. 25.

O., Shaker Heights (Cleveland P. O.)—Schools—Bd. Educ., having plans prepared by C. W. Bates, 77 12th St., Wheeling, W. Va., two 2 story and basement, brick, steel and concrete, $700,000.

O., Warren—High School—Bd. Educ. plans 2 story and basement Junior High School.

O., Youngstown—Store and Office—McCrory Stores Co., having sketches made 6 story and basement, brick, terra cotta and concrete. $450,000. Engineer and architect not selected.

Mich., Dearborn — High School — Bd. Educ., having plans prepared by G. D. Mason & Co., archts., 508 Griswold St., Detroit, 3 story and basement, 78 x 304 ft., brick, steel and rein.-con., plain foundation, in Dist. 7. $395,000.

Mich., Detroit—Apartment—C. E. Schley, archt., 1121 Lafayette Bldg., preparing plans, 4 story and basement, 150 x 200 ft., rein.-con., brick and steel, plain foundation, Van Dyke and Gratiot Aves. $250,000. Owner's name withheld.

Mich., Detroit—Garage—Whitney Estate, c/o Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., having plans prepared, 4 story and part basement, 100 x 200 ft., rein.-con. and brick, plain foundation, Adams and Randolph Sts.

Mich., Detroit — Office — R. W. Koch, archt., 734 Book Bldg., preparing plans 12 story and basement, 65 x 105 ft., rein.-con., brick and steel, plain foundation. $700,000. Owner's name withheld.

Mich., Detroit—Theatre—C. W. Munz, 130 Monroe St., having plans prepared by J. Eberson, 212 East Superior St., Chicago, Ill., 3 story and part basement, 120 x 210 ft., rein.-con., brick, steel and terra cotta, plain foundation, Grand River Ave. $750,000.

Mich., Detroit—Warehouse—C. Kotting, archt., 2306 Dime Bank Bldg., preparing plans 6 story and basement, 125 x 170 ft., brick and rein.-con., plain foundation. $300,000. Owners name withheld.

Mich., Halfway—School—Bd. Educ., F. O. Dreskell, secy., Halfway, having plans prepared by H. S. Angell, 607 Free Press Bldg., Detroit, 2 story and basement, rein.-con., brick and steel plain foundation. $150,000.

Mich., Ironwood — Theatre — Ironwood Amusement Corp. having plans prepared by N. A. Nelson, Ironwood, 2 story, brick and tile, plain foundation, $150,000.

Buildings—Commercial (Continued)

Ill., Urbana—Dormitory—University of Illinois, soon takes bids Womens Dormitory, 3 story and basement, rein.-con., brick and stone. $250,000. J. M. White, 256 Administration Bldg., archt.

Wis., Fond du Lac—Theater, store and office—W. Schroeder, 86 Michigan St., Milwaukee, having plans prepared by M. Tullgren & Sons, 425 East Water St., 3 story and basement, 100 x 192 ft., brick, steel and concrete, plain foundation, Main St. $350,000.

Wis., Madison—Garage and Repair Shop—Jacobson Auto Co., 207 East Washington Ave., plans 2 story, brick, steel and rein.-con., plain foundation, Gorham St. $150,000. Engineer and architect not selected.

Wis., Milwaukee — Apartment — Badger Building Service, 445 Milwaukee St., having plans prepared by Peacock & Frank, 445 Milwaukee St., 3 story and basement, brick and tile, plain foundation, Prospect Ave. $150,000.

Wis., Milwaukee—Apartment and Store—I. H. Benesch Co., 513 Van Buren St., having plans prepared by C. J. Keller & Son, 432 Bway., 3 story and basement, 87 x 130 ft., brick and tile, plain foundation, State St. $150,000.

Wis., Milwaukee—Apartment—F. Mackut, Jr., 137 2nd St., plans 3 story and basement, brick and tile, plain foundation, Marshall St. $200,000. Engineer and architect not selected.

Wis., Milwaukee—Apartment—Westside Realty Co., 137 2nd St., plans 3 story and basement, brick, concrete and tile, plain foundation, Prospect Ave. $175,000. Engineer and architect not selected.

Wis., Milwaukee—Office—Cudahy Family Co., c/o J. Bannen, mgr., 85 Michigan St., plans 6 or 8 story, brick, concrete and steel, plain foundation, Milwaukee St. $1,000,000. Engineer and architect not selected.

Wis., Milwaukee—Store—E. Schuster & Co., 6th Ave. and Mitchell St., having preliminary plans prepared by Brust & Philipp, 405 Bway., 3 story, 120 x 211 ft., brick and concrete top addition, 6th Ave. and Mitchell St. $500,000.

Wis., Winnebago — Hospital — Northern State Hospital for Insane, c/o A. Sherman, supt., plans 5 story, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Ia., Cedar Rapids—Apartment—Commonwealth Apartments, Inc., c/o F. Junkerman, secy. and treas., 1812 2nd St., having plans prepared by H. E. Hunter, 503 Security Bldg., and H. Hatton, Cedar Rapids, 6 story and basement, 120 x 120 ft., concrete, brick and steel, 2nd Ave. and 14th St. $400,000.

Ia., Cedar Rapids—Hospital—St. Lukes Hospital, c/o T. R. Warringer, chn., 119 2nd Ave., having revised plans prepared by E. W. Dearing, 193 Pilgrim Rd., Boston, Mass., and soon takes bids 6 story and basement, 40 x 180 ft., rein.-con., brick, tile and stone. $325,000. Former bids rejected. Noted Aug. 21.

Ia., Cedar Rapids—Office, etc.—Killian Co., 210 3rd Ave., rejected bids 12 story and basement, 80 x 120 ft., rein.-con., brick and tile, 3rd Ave. and 2nd St. E. $700,000. Project postponed indefinitely. Noted Sept. 25.

Ia., Creston — Schools — Plans election $275,000 bonds for new schools, etc.

Ia., Des Moines—Temple—Za Ga Zig Lodge, A. A. O. N. M. S., c/o H. Harter, 702 6th St., having preliminary plans prepared by Sawyer & Watrous, 401 Hippee Bldg., rein.-con., brick, limestone and steel building, containing theater, lodge club rooms, etc. $1,000,000.

Ia., Mason City—Office—United Light & Power Co., F. J. Henlon, mgr., making preliminary plans 2 story and basement, 75 x 132 ft., rein.-con. and brick, also garage for 20 automobiles, Washington St., $250,000. Private plans.

Kan., Arkansas City — Memorial — City, c/o City Clerk, election Nov. 4, $200,000 bonds for memorial building. G. H. Thomas, 405 Wheeler Kelly Hagrey Bldg., Wichita, archt.

Kan., Topeka—Office—R. E. Scamell, archt., 422 New England Bldg., takes bids about Oct. 1, 10 story and basement, 75 x 100 ft., rein.-con. and terra cotta, 10th and Kansas Sts., for Natl. Reserve Life Insurance Co., 811 Kansas St. Noted Aug. 28.

Kan., Troy—High School—Bd. Educ., c/o F. Cotch, pres., having preliminary plans prepared by H. E. Wagenknecht & Co., 313½ South 8th St., St. Joseph, Mo., 2 story and basement, rein.-con. and brick. $150,000.

Neb., Kearney—Schools—Bd. Educ. takes bids about Jan. 1, for Junior High School, and addition to other buildings. $250,000 bonds voted. Davis & Wilson, Security Bldg., Lincoln, archt.

Mo., Kansas City — Church — First Baptist Church Congregation having plans prepared by J. H. Felt & Co., 800 Grand Ave. Temple Bldg., 2 story, balcony and basement, stone brick and rein.-con. addition. $500,000. Noted Feb. 7.

Mo., Kansas City — Mausoleum — Mt. Moriah Cemetary Assn., 1300 Federal Reserve Bank Bldg., having revised plans prepared by R. E. Peden & Co., McLaughlin Bldg., 13 x 196 ft. mausoleum 50 ft. high, stone, marble and concrete. $750,000. Noted July 3.

Mo., Kansas City—Office—Medical Arts Bldg., c/o G. B. Post & Son, archts. and engrs., 101 Park Ave., New York City, having plans prepared brick, stone and steel, plain foundation. $750,000.

Mo., St. Louis — Memorial — Missouri Diocese Episcopal Church, 1210 Locust Blvd., having revised plans prepared by Jamieson & Spearl, Arcade Bldg., 16 story and basement, rein.-con., brick, stone, terra cotta and steel, Locust Blvd. between 12th and 13th Sts. $750,000-$1,000,000.

Mo., St. Louis—Police Station—Bd. Police Comrs., 208 South 12th Blvd., plans 2 story and basement, 115 x 187 ft., rein.-con., brick and stone, Natural Bridge Ave. Private plans.

Mo., St. Louis—Terminal, etc.—Terminal Railroad Assn., c/o St. Louis Union Station, having preliminary plans prepared, 3 story and basement addition to present station, reconstructing balloon type shed into modern umbrella type, and 24 additional service tracks, etc., Market St. Private plans.

Mo., St. Louis — Theatre, etc. — H. C. Koenig, Marine and Osage Sts., making preliminary plans 3 story and basement, rein.-con., brick and stone, Grand Blvd. near Meramec St. $200,000. Private plans.

Tex., Brownfield—Court House—Comrs. Terry Co. soon take bids 2 or 3 story, rein.-con., brick or stone, courthouse and jail. $150,000. Private plans.

Tex., Corsicana—Bank and Office—State Natl. Bank, B. B. Munsey, pres., having plans prepared by H. O. Blanding, Hardy and Pech & Pech Bldg., Corsicana, and C. D. Hill & Co., 501 Kress Bldg., Houston, 8 story and basement, 50 x 95 ft., brick, stone, granite and rein.-con., Beaton & Collins Sts. $300,000. Noted Aug. 21.

Tex., Ft. Worth — Store — Sanguinet, Staats & Hedrick, archts., soon take bids 3 story, rein.-con., and brick, 5th and Houston Sts., for Monnig Dry Goods Co., Inc., 1302 Main St. $150,000. Noted May 8.

Tex., Ft. Worth — Orphanage — Texas Christian University, C. S. Lockhart, dean, having plans prepared orphanage. $1,000,000. Engineer and architect not announced.

Tex., Texarkana—Depot—J. M. Egan, vice-pres. and genl. mgr., Missouri Pacific R.R., Railway Exch. Bldg., St. Louis, Mo., soon takes bids rein.-con., brick and steel, plain foundation, here. $1,000,000. E. A. Madley, ch. engr.

Okla., Bartlesville — High School — Bd. Educ., c/o F. E. Thurman, secy., takes bids in October, Junior High School, 2 story and basement, 120 x 220 ft., rein.-con., brick and stone, 4th St. $275,000. J. H. Felt & Co., 802 Grand Ave. Temple, Kansas City, Mo., engrs.

Calif., Eureka—Hotel—Jacobs, Ackerman & Crozier, archts., Eureka, making preliminary plans, 3 story, frame and stucco, F and 2nd Sts. $150,000. Owners name withheld.

Calif., Galt — High School — Galt Joint Union High School Dist., plans election $150,000 bonds, fireproof high school. Previous election defeated. Noted July 31.

Calif., Long Beach—Store and Office—J. R. Mason (interested), 219 East 1st St., had preliminary plans prepared by Dedrick & Bobbe, Laughlin Bldg., 12 story, rein.-con. store and office building. To exceed $500,000.

Calif., Long Beach — Warehouse — Guardian Warehouse Co., 803 Sun Bldg., Los Angeles, making plans fireproof warehouse. $150,000 or more.

Calif., Los Angeles—Office and Garage—R. D. King, archt., Van Nuys Bldg., soon takes bids 3 and 5 story, 150 x 180 ft., rein.-con., Sycamore St. and Hollywood Blvd., for H. P. Rehbein, 7038 Hollywood Blvd.

Calif., Los Angeles — Store, Hotel and Market—W. B. French, 149 South Andrews St., having plans prepared by Walker & Eisen, 756 South Spring St., 3 story, 95 x 185 ft., brick, Cahuenga and Yucca Sts.

Calif., Los Angeles—Stores and Club—Exposition Park Swimming & Boating Club, c/o Engineering Service Co., archts., Washington Bldg., had plans prepared 2 story, basement and balcony, 120 x 140 ft., steel and concrete, Hoover St. $150,000.

Calif., Los Angeles—Theatre and Store—S. Grauman, c/o Meyer & Holler, archts., Wright-Callendar Bldg., having preliminary plans made, rein.-con., Hollywood Blvd. $1,000,000.

Calif., Los Angeles — Theatre — G. A. Landsburgh, archt., 700 Junior Orpheum Bldg., takes bids about Oct. 1, 13 story, 138 x 148 ft., steel, rein.-con. and brick, 838 South Bway., for Bway. Properties Co., Junior Orpheum Bldg. $1,000,000.

Calif., Los Angeles—Theatre and Lofts—J. Toplitzky (representing owners), H. W. Hollman Bldg., takes bids about Oct. 4, 12 story and basement, 138 x 148 ft., steel and rein.-con., Bway. G. A. Landsburgh, Junior Orpheum Bldg., archt.

Calif., Los Angeles—Warehouse—Pacific Coast Steel Co., Bartlett Bldg., making plans 80 x 200 ft. warehouse, Stanford Ave. An additional 80 x 200 ft. unit will be undertaken at later date.

Calif., Marysville — Office and Store — Hart Buildings, Inc., represented by Carmichael Co., 811 J St., Sacramento, plans 5 to 7 story, probably rein.-con., 4th and E Sts. $175,000. Engineer and architect not selected.

Calif., Oakland — Warehouse — Guardian Warehouse Co., 803 Sun Bldg. Los Angeles, plans fireproof warehouse. $150,000 or more.

Calif., Sacramento — Mausoleum — East Lawn Cemetery Assn., c/o F. W. Kiesel, pres., Folsom Blvd., plans rein.-con. and stone mausoleum $400,000. Engineer and architect not selected.

Calif., San Francisco — Office — S. Chamberlain, Mills Bldg., had plans prepared by Bakewell & Brown, 251 Kearney St., 10 story and basement, Class A construction, Post St. near Powell St. $150,000.

Calif., Santa Barbara—School—Montecito School Dist., 69 San Ysidro Rd., plans election $150,000 bonds for school. Engineer and architect not selected.

Calif., Santa Rosa—Hospital—Supervs. Sonoma Co., W. W. Felt, Jr., clk., plans to appropriate $150,000, constructing first unit of hospital group.

Que., Beauceville—Church—Sisters of Jesus and Marie, plan 5 story, concrete, brick and steel. $200,000.

Que., Mont Joli—Church—Catholic Congregation had plans prepared by P. Levesque, Quebec, new church, here. $250,000.

Que., Montreal—Theatre—H. M. Warner, pres. Warner Bros. Studio, 5842 Sunset Ave., Los Angeles, Calif., soon takes bids, theatre, here. $500,000.

Ont., Ft. William—Collegiate Institute—Bd. Educ., Town Hall, plans 3 story and basement, brick. $200,000.

Ont., Toronto — Exhibition — Canadian Natl. Exhibition, J. G. Kent, Lumsden Bldg., soon takes bids 2 new buildings. $400,000.

BIDS DESIRED

Mass., Allston (Boston P. O.)—Garages—Meyer & Rosenberg, 1437 Commonwealth Ave., Boston, taking bids eighty 1 story, rein.-con. and brick, Colon and Buckminister Sts., here. $160,000.

Mass., Boston — Museum — Museum of Fine Arts, Huntington Ave., taking bids altering and constructing 2 story and basement, 30 x 400 ft., brick and granite addition, Huntington Ave. $300,000. G. Lowell, 12 West St., archt. Noted Sept. 18.

Mass., Boston — Store and Office — Petorino Bros., Eggleston Sq., taking bids 2 story and basement, brick and stone, Columbus Ave. and Washington St. $150,000. A. J. Halfenstine, 143 Washington St., archt. Noted Oct. 2.

Mass., Brighton (Boston P. O.)—Seminaray—St. John's Ecclesiastical Seminary, taking bids 2 story and basement, 120 x 130 ft., brick, tile and granite addition. $200,000. O'Connell & Shaw, 134 Newbury St., Boston, archts.

Mass., Dorchester (Boston P. O.) — Apartment—H. Klayman, 39 Wilcox St., taking bids 3 story and basement, 50 x 150 ft., brick and stone, 64-68 Canterbury St. $150,000. S. S. Moffie, 51 Cornhill St., Boston, archts. Noted Aug. 14.

Buildings—Commercial (Continued)

Mass., Lynn—**High School**—Oct. 7 (date extended) by School Comn., 4 and 5 story, 55 x 125 ft., and 85 x 165 ft., rein.-con., brick and stone, Essex and Liberty Sts. $600,000. G. A. Cornet, 10 Central St., archt. Noted Sept. 18.

Mass., Lynn—**Office**—Lynn Gas & Electric Co., Exchange St., taking bids altering and constructing 3 story and basement 65 x 75 ft., brick, tile and steel addition, Preston Block, Exchange St. $150,000. C. L. Batton, 31 Exchange St., archt.

Mass., New Bedford—**Exchange**—New England Telephone & Telegraph Co., taking bids, 3 story and basement, brick and stone, 2nd and Dover Sts., Densmore, LeClear & Robbins, Park Sq. Bldg., Boston, archts.

Mass., Randolf—**High School**—Schoolhouse Com., taking bids rebuilding and remodeling Stetson High School, 2 story and basement, 58 x 88 ft., brick (second class construction), Main St. Funk & Wilcox, 26 Pemberton Sq., Boston, archts. Noted Oct. 2.

Conn., Ansonia—**Business**—Oct. 6, by Brown & Von Beren, archts., 185 Church St., New Haven, brick and steel, plain foundation, Main St., here, for F. T. Terry, Main St. $150,000.

Conn., Wallingford — Sanitarium—Gaylor Sanatarium, Cook Hill, taking bids 2 story and basement, 64 x 200 ft., brick and steel, plain foundation. $175,000. J. F. Kelly, 39 Center St., New Haven archt. Noted Aug. 28.

N. Y., Brooklyn—School—Oct. 21, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., addition to P. S. 128, 84th St. and 21st Ave., for Bd. Educ., 500 Park Ave., New York.

N. Y., Rome—High School—Oct. 21, by Bd. Educ., high school. $400,000. Tooker & Marsh, 101 Park Ave., New York City, engrs. and archts. Noted June 19.

N. J., Atlantic City—Hotel—Oct. 7, by W. M. Stanton & S. P. Stewart, archts., 1524 Chestnut St., Phila., Pa., 7 story, 40 x 90 ft., brick addition, rein.-con. foundation, South Carolina Ave., for Hotel Iroquois.

N. J., Newark—Store—Oct. 6, by Starrett & Van Vleck, archts., 8 West 40th St., New York City. 9 story, 150 x 150 ft., brick, steel and stone, plain foundation, Broad, Cedar and Halsey Sts., here, for I. S. Plant & Co., pres. and treas. S. S. Kresge Co., 576 Fulton St., Brooklyn. $5,000,000. Purdy & Henderson, 45 East 17th St., New York City, engs.

Pa., Germantown (Phila. P. O.)—Church—Oct. 15, by Day & Klauder, archts., Franklin Bank Bldg., Phila., 103 x 138 ft., brick, stone and steel, plain foundation, Greene and School Lane, here, for Second Church of Christ Scientist.

Pa., Phila.—Church—Oct. 8, by Hoffman & Henon, archts., Finance Bldg., 1 story and basement, 120 x 165 ft., brick, stone and steel, plain foundation, F and Westmoreland Sts., for Church of Ascension of Our Lord. D. J. Broughal, pastor.

O., Cleveland—Fire Station—Oct. 10, by E. D. Barry, dir. Pub. Safety, City Hall, 2 story and basement, 96 x 119 ft., brick, steel and concrete, Central Ave., and Central Viaduct. $150,000. H. Kregelius, 604 City Hall, archt. Noted July 24.

O., Cleveland—School and Parish House—Oct. 9, by Corbusier & Lenski, archts., B. F. Keith Bldg., 2 story and basement, 66 x 108 ft., brick, East 55th St., north of Superior Ave., for St. Paul's Evangelical Lutheran Church. M. Frederick, 1486 East 55th St., pastor. $150,000.

O., Lakewood—Apartment—E. Brundno, Leader News Bldg., taking bids 3 story and basement, 46 x 130 ft., brick, Webb Rd. $200,000. M. Weiss, 617 Union Bldg., Cleveland, archt.

Mich., Detroit—School—Oct. 8, by C. A. Gadd, business mgr. Bd. Educ., 1354 Broadway Ave., 3 story and basement, 70 x 392 ft. and 77 x 179 ft., rein.-con., brick, steel and stone, plain foundation, Tuxedo and Linwood Aves. Malcolmson & Higginbotham, 1217 Griswold St., archts.

Ill., Carbondale—Gymnasium—Oct. 28, at Southern Illinois State Normal University, 2 story, 90 x 216 ft., rein.-con., brick and stone, for Dept. Pub. Wks., Springfield, $150,000.

Wis., Racine—Hospital—Oct. 8, by E. B. Funston Co., archts., Janes Bldg., 2 story (ultimately 4 story), 40 x 96 ft., brick and concrete addition, plain foundation, for St. Lukes Hospital, 13th St. and College Ave. $150,000.

Ia., Waterloo—Lodge—Oct. 6, by C. P. Shockley, archt., Black Bldg., 2½ story and basement, 48 x 90 ft., concrete, brick and stone, East Park and Mulberry Sts., for Waterloo Lodge of Elks, c/o W. Bass, 1007 East 4th St. $175,000.

Minn., St. Paul—School—Oct. 7, by H. W. Austin, city purch. agt., 3 story and basement, rein.-con., brick, tile and stone, Marion and Gaultier Sts. $300,000. F. X. Tewes, City Hall, archt. Noted Jan. 31.

Mo., Maryville—Gymnasium—Oct. 6, by W. Boschen, archt., 517½ Francis St., St. Joseph, 2 story, rein.-con., brick and stone, here, for Northwest Missouri Teachers College.

Tex., Abilene—Office and Store—Oct. 7, by J. M. Radford, Radford Bldg., 3 story and basement, 100 x 135 ft., rein.-con. and brick. $160,000. D. S. Castle, Abilene, archt. Noted Aug. 21.

Calif., Glendale — Hotel — Oct. 10, by Mann-Walker Building Co., archts., I. W. Hellman Bldg., Los Angeles, 13 story, 104 x 150 ft., rein.-con. and terra cotta, plain foundation, Brand and California Sts., here, for B. W. Doyle & L. P. Mirck, Pasadena. $400,000.

Calif., Los Angeles—Bank and Office—Parkinson & Parkinson, archts., Title Insurance Bldg., taking bids 12 story and basement, 60 x 160 ft., steel frame, class A, 6th and Spring Sts., for Pacific South West Trust and Savings Bank, 6th and Spring Sts.

N. B., New Castle — School — H. H. Ritchie, chn. building com. Bd. School Trustees, taking bids rein.-con. high school. $150,000.

BIDS RECEIVED

Conn., Middletown—School—Bd. Educ., J. Boylan, chn., general contract school, Pease Ave., from S. Mazotta, 230 Pearl St., $137,193.

Pa., Johnstown — High School — Johnstown School Dist., 601 Swank Bldg., 3 story and basement, 250 x 300 ft., Somerset St., general contract, from Berkebile Bros., Swank Bldg., $878,795, extra excavation $4 per cu.yd., extra blasting $7.50 per cu.yd., limestone instead of granite finishing deduct $5,608, finishing, plastering walls and ceilings additional $19,300; heating and ventilating, from Stanton-Barnhart Plumbing & Heating Co., 322 Franklin St., $94,500; plumbing, from Redman Heating Co., 109 South 6th St., Louisville, Ky., $49,186; electrical work, from Hack Electric Co., 306 Bedford St., $43,937. Noted Sept. 4.

Ia., Iowa City — Memorial — Memorial Union Com. of State University, c/o R. H. Fitzgerald, Sept. 22, 509 Oakland Ave., 3 story and basement, 166 x 234 ft., rein.-con., brick, tile and stone, from Devereaux-Olson Constr. Co., 716 11th Ave. S., Minneapolis, $148,611. Noted Sept. 18.

Minn., St. Paul—Schools—Dept. Educ., L. R. S. Ferguson, secy., Sept. 23, 3 story and basement, 129 x 238 ft., and 3 story and basement, 109 x 179 ft., both rein.-con., brick, tile and stone, Laurel Ave. and Mackubin Sts., general contract from P.A. Swanson and Hakenson, 340 Endicott Bldg., St. Paul, $278,000 and $189,449 respectively; E. Bjorklund, 485 Endicott Bldg., both together $456,420. Noted Sept. 18.

Tex., Houston — Apartment — Better Building Co., c/o Chamber of Commerce, 3 story and basement, 125 x 135 ft. apartment, from D. Hall, Cotton Exch. Bldg., $150,000 cost plus percentage basis.

CONTRACTS AWARDED

Mass., Brighton (Boston P. O.)—Apartment—Hurwitz & Goldberg, 294 Washington St., Boston, will build 3 story and basement, brick and stone, Elizabeth Ave. and Allston St., here, by day labor. $250,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts. Noted Sept. 18.

Mass., Chicopee—Business—Pava Bros., 285 Chestnut St., Springfield, 2 story and basement, brick, to Casper Ranger Constr. Co., 20 Bond St., Springfield. Archts. est. $150,000.

Mass., Dorchester (Boston P. O.) — Apartment—A. D. Babbitt, 15 Brenton St., will build 3 story and basement, brick and stone, 102-108 Columbia Rd., here, by day labor. $200,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts. $200,000.

Mass., Melrose—Sub-Station and Garage—Malden Electric Co., 139 Pleasant St., Malden, 1 an 2 story, 64 x 66 ft., brick and rein.-con., Upham St., to W. M. Bailey Co., 88 Broad St., Boston.

Mass., Uxbridge — Church — St. Mays Parish, D. O'Sullivan, pastor, 1 story and basement, 50 x 150 ft., brick and stone, Mendon St., to F. P. Morey, 101 Somersett St., Springfield. Archts. est. $150,000.

Mass., Worcester—Hotel—Bancroft Hotel, Franklin St., 6 story and basement, 50 x 100 ft., brick and steel addition, plain foundation, Franklin St., to H. L. Stevens & Co., 522 5th Ave., New York City. Archts. est. $150,000.

R. I., Quidnick (mail Anthony)—School—Coventry Twp. School Bd., brick, plain foundation, to E. Turgeon, 86 Weybosset St., Providence. Archts. est. $150,000. Noted Sept. 11.

R. I., Coventry—School—Town, 2 story and basement, 65 x 100 ft., brick and stone, to E. Turgeon, 86 Weybosset St., Providence. Archts. est. to exceed $150,000.

Conn., Hamden — Temple — Masonic Temple Building Com., c/o D. Smith, archts., 445 1st Ave., New Haven, 2 story and basement, 50 x 100 ft. with 20 x 25 ft. wing, brick, plain foundation, Whitney Ave., to Sperry & Treat Co., 39 Church St., New Haven. Archts. est $150,000.

Conn., Middletown—School—Bd. Educ., for School on Pease Ave., to S. Mazzotti, Middleton, N. Y. Archts. est. $200,000. Noted Oct. 2.

Conn., New Haven — School — Hebrew Institute, c/o Brown & Von Beren, archts., 185 Church St., 2 story and basement, 51 x 91 ft., brick, plain foundation, Oak and Dwight Sts., to Natl. Constr. Co., 151 Court St. Archts. est. $150,000.

Conn., Thompsonville — High School — Enfield Twp. Building Com., 2 story and basement, brick, plain foundation to A. E. Stephens Co., 145 State St., Springfield, Mass., $244,444. Archts. est. $250,000. Noted Sept. 11.

N. Y., Auburndale (Flushing P. O.)—School—Bd. Educ., 500 Park Ave., New York, constructing P. S. 32, brick, steel and stone, plain foundation 35th Ave. and 171st St., here, to Guidera & La Salla, 391 East 149th St., New York, $381,520.

N. Y., Brooklyn — Apartment — Lincoln Parkway Constr. Co., c/o Shampan & Shampan, archts. and engrs., 184 Montague St., will build 2 brick, steel and stone apartment houses on 80 x 142 ft. plot, Lincoln Pl. and Classon Ave., by day labor. $200,000 each.

N. Y.,—New York—Office and Restaurant—Childs Co., 200 5th Ave., brick, steel and stone, plain foundation, Bway. and 30th St., to Amsterdam Building Co., 138 East 44th St. Archts. est. $200,000.

N. Y., New York—Store and Office—International Business Machines Corp., 50 Broad St., 7 story, 25 x 100 ft. brick, steel and stone, plain foundation, 310 5th Ave. to Gillis-Campbell, 101 Park Ave. Archts. est. $350,000.

Pa., Bethlehem—Terminal Warehouse—Lehigh & North East Terminal Warehousing Co., 7 story and basement, 150 x 200 ft., rein.-con. and brick, plain foundation, Mack Farm, to Cramp & Co., 11th and Market Sts. Archts. est. $1,000,000.

Pa., Phila.—Arcade—W. H. Gravell, and A. W. Hall, archts., Otis Bldg., 2 story and basement, 50 x 230 ft., brick and steel, plain foundation, 1812-14 Chestnut St., to Kober Constr. Co., 34 South 17th St. Archts. est. $200,000. Owners name withheld.

Pa., Phila. — School and Gymnasium—Germantown Friends Prep. School, 2 story and basement, 44 x 91 ft., school, 1 story and basement, 60 x 93 ft. gymnasium, Coulter and Germantown Aves., to F. Elvidge & Son, 5522 Germantown Ave.

Pa., York—Hotel—Community Hotel, 10 story, brick, steel and stone, plain foundation, to Consolidated Eng. Co., Calvert Bldg., Baltimore, Md.

N. C., Goldsboro—Hotel—Goldsboro Hotel Co., 8 story and basement, steel, concrete, brick and limestone, to J. W. Stout, Sandford, exceeds $150,000. Noted Jan. 31.

S. D., Sioux Falls—Church and Parsonage—First Lutheran Church c/o H. J. Glenn, Sioux Falls, general contract brick, stone and concrete, 12th St. and Dakota Ave., to P. O. Nasvik, 1368 Ashland Ave., St. Paul, Minn., $104,532. Noted Sept. 18.

Ala., Birmingham—Schools—Bd. Educ., general contract Woodlawn High School, 3 story, 150 x 175 ft., brick and stone, 1st Ave., and 3 story, 150 x 200 ft., brick and stone, 8th Ave., to D. D. Thomas & Son, 463 North Dunlap St., Memphis, Tenn., $292,563 and $347,481 respectively; heating, plumbing and electric wiring in school on 1st Ave., to Alabama Supply Co., 1918 4th Ave. N., $90,445; and heating and plumbing in 8th Ave. school, to Pate Co., 2015 4th Ave. N., $48,106. Noted Sept. 25.

Tenn., Memphis — Hospital — Memphis General Hospital, 3 story, rein.-con., brick,

Buildings—Commercial (Continued)

steel and stone addition, **Madison St., to D. D. Thomas & Son, Memphis. Archts. est. $150,000.**

O., Cleveland—Commercial and Theatre—R. I. Brody, 10418 Ostend Ave., 1 story, 65 x 200 ft., brick, steel and concrete, Bway. and Cable Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $200,000.

O., Mansfield — Bank — Citizens Natl. Bank, 1 story and basement, 50 x 112 ft., brick, steel and concrete, to Boldt Constr. Co., 1969 East 70th St., Cleveland. Archts. est. $200,000. Noted Sept. 18.

Mich., Saginaw — Bank and Office — Second Natl. Bank, 110 North Washington St., 12 story and basement, 120 x 120 ft., rein.-con., brick, steel and terra cotta, plain foundation, to W. E. Wood Co., 1805 Ford Bldg., Detroit. Noted March 6.

Ill., Decatur — Warehouse — Mississippi Valley Structural Steel Co. will build 1 story, 150 x 500 ft., rein.-con., steel and corrugated galvanized steel, by day labor. Private plans.

Ill., Hebron—High School—High School Dist. 159, 2 story and basement, brick, concrete and stone, to Boher & Dunlevy, Abington. Archts. est. $150,000.

Ill., Momence — School — St. Patricks Academy & Convent, general contract 4 story and basement, 60 x 128 ft., rein.-con., brick and steel, to H. Halpern, Momence.

Ill., Westervelt — High School — Community High School Dist. 189, 2 story and basement, concrete, brick and stone, to H. Branch, Pittsfield. Archts. est. $150,000.

Wis., Jefferson—High School—Bd. Educ., R. K. Henry, secy., general contract 2 story and basement, brick and tile, Grand Ave., to Stengel Constr. Co., Jefferson. Archts. est. $200,000.

Wis., Milwaukee — School — Marquette University, 1115 Grand Ave. structural steel for 3 story, brick, concrete and steel, Grand Ave., to Wisconsin Bridge & Iron Co., North Milwaukee. Archts. est. $500,000. Noted Jan. 10.

Wis., Stevens Point—Exchange—Wisconsin Telephone Co., 418 Bway., Milwaukee, 3 story and basement, 72 x 78 ft., brick and concrete, plain foundation, to E. H. Regal, 134 South Adams St., Green Bay. Archts. est. $150,000.

Ia., Mason City—Office—Peoples Gas & Electric Co., will build 5 story and basement, 75 x 132 ft., rein.-con. and brick, 2nd and Washington Sts., also 20 car garage, by day labor. Private plans. $300,000. Noted Sept. 25.

Neb., Lincoln—Theatre—J. F. Cooper, fireproof theatre, 2,000 seating capacity to W. J. Assenmakher, 625 North 17th St., approximately $500,000.

Mo., St. Louis—Mercantile—A. G. Nulsan, c/o Natl. Pigments & Chemical Co., 1 Sidney St., 2 story and basement, 58 x 206 ft., rein.-con. and brick, 408-12 Valentine St., to McCormack-Combs Constr. Co., Columbia Bldg.

Tex., Austin—High School—School Bd., Junior High School, 2 story and basement, rein.-con. and brick, to J. J. Wattinger, 812 Patterson Ave., $185,215.

Wash., Seattle—Store and Garage—H. Thomas, archt., Arcade Bldg., general contract 7 story, 111 x 160 ft., rein.-con., 1st and Union Sts., to Strandberg & Robinson, Arcade Bldg., for Inter-Avenue Building Co., c/o architect. $176,164. Noted Sept. 25.

Wash., Seattle—Warehouse—City Light Dept., will build 1 story, 250 x 360 ft., rein.-con., equipped with large electric crane, 4th, South and Spokane Sts., by day labor. $250,000. Former bids rejected. Noted Sept. 25.

Calif., Long Beach—Store and Loft—Middough Bros., 126 West Bway., general contract 6 story, 50 x 74 ft., steel and concrete, Locust Ave., to M. Smith, 6665 Sunset Blvd., Los Angeles, $225,000. Noted Jan. 31.

Calif., Los Angeles—Hotel and Store—O. A. Brown, 3868 West 6th St., will build 3 story and basemen,t 80 x 100 ft., brick, North Western Ave., by day labor.

Calif., Los Angeles—Loft—J. A. Larralde, archt., 100 Stock Exch. Bldg., 2 story, 45 x 145 ft., brick, 835 South Julian St., to California Concrete Form Constr. Co., 656 South Vermont Ave., for T. M. Tricas, Los Angeles. $180,000.

Calif., San Bernardino — Theatre, Store and Office—H. E. Jones, archt., 445 4th St., 3 story and basement, 100 x 169 ft., 5th and E Sts., to G. Herz Co., 8th and E Sts., for Platt Investment Co., c/o architect $179,951. Noted Aug. 28.

Calif., San Francisco—Apartment—The Helbing Co., 1332 Lombard St., will build 6 story and basement, steel and concrete, Eddy St., by day labor. $150,000.

Calif., San Francisco—Apartment—E. V. Lacey, 180 Jessie St., will build 6 story and basement, rein.-con., Eddy St., by day labor. $155,000.

Calif., San Francisco — Apartment — Strand & Strand, 163 Parnassus Ave., will build 4 story and basement, rein.-con., Leavenworth St., near Sutter St., by day labor. $150,000.

Calif., San Jose — High School — Weeks, Binder & Curtis, archts., San Jose, rein.-con. high school, for Bd. Educ., to R. Trost, 26th and Howard Sts., San Francisco, $393,931; heating, to F. Studer, 667 East St. James St., San Jose.

Ont., London—College—Ursuline Sisters, Brescia Hall, 3 story and basement, 100 x 350 ft., stone, in northern section of city, to Piggott & Healey, 36 James St. S., Hamilton. Archts. est. $250,000.

Federal Government Work

PROPOSED WORK

R. I., Providence—Dredging—U. S. Engineer Office, Post Office Bldg., takes bids about Nov. 1, dredging 500,000 cu.yd. material in harbor. This corrects report in Sept. 18 issue.

N. Y., Brooklyn—Incinerator and Chimney—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids incinerator and chimney, here.

Ky., Louisville—Dipper Dredges—U. S. Engineer Office, rejected bids Aug. 17, furnishing 3 dipper dredges. Noted Sept. 11.

Wis., Milwaukee—Landscape, etc.—U. S. Government Hospital, National Ave., plans landscaping grounds and restoring roads.

Neb., Omaha—Bank—U. S. Government, Treas. Dept., 10th Dist. Federal Reserve Bank, Kansas City, Mo., having plans prepared 3 story and basement, 66 x 132 ft. bank, 17th and Dodge Sts., here.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., plans approximately 700,000 cu.yd. earthwork by hydraulic method in Levee Dist. 1, Perry Co.

H. T., Pearl Harbor—Storehouse—Spec. 5003—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids storehouse and quarters at Naval Operating Base Hospital, here.

BIDS DESIRED

Me., Rockland—Breakwater—Oct. 31, by U. S. Engineers Office, 13th Floor, Custom House, Boston, Mass., furnishing and placing stone in breakwater, here, adv. E. N.-R. Oct. 2.

Mass., Northampton—Walks—Oct. 7, by U. S. Veterans Hospital, Room 791 Arlington Bldg., Wash. D. C., constructing covered walks at Veterans Hospital 95, here.

N. Y., Ft. Hamilton (Brooklyn P. O.)—Sewer—Oct. 10 at Constructing Quartermasters Office, 39 Whitehall St., New York City, sewer, here; adv. E. N.-R. Oct. 2.

Pa., Phila.—Boiler House—Oct. 13, by Phila. Q. M. Intermediate Depot, 21st St. and Oregon Ave., constructing boiler house and boiler installation; adv. E. N.-R. Oct. 2.

Pa., Pittsburgh—Lock Gates—Oct. 25, at U. S. Engineer Office, steel lock gates for New Locks 7 and 8, Monongahela River; adv. E. N.-R. Oct. 2.

Del., Reedy Island—Pumps—Oct. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., new water pumps, etc., at U. S. Quarantine Station, here.

Ala., Florence—Cement—Oct. 7, by P. T. Samuels, ch. supply div., U. S. Government, 60,000 bbl. Portland cement.

Ala., Florence—Electric Elevators—Oct. 15, by U. S. Engineer Office, Florence, electric elevators for power house of Wilson Dam Tennessee River; adv. E. N.-R. Oct. 2.

Miss., Vicksburg — Levee — Oct. 14, by at office Third Mississippi River Dist., P. O. Box 404, constructing about 200,000 cu.yd. levee work; adv. E. N.-R. Oct. 2.

BIDS RECEIVED

Mass., Weymouth—Dredging—U. S. Engineer Office, Custom House, Boston, dredging in Fore River, here, from E. Breymann, Winthrop, $0.28¼ per cu.yd. Noted Aug. 28.

Md., Annapolis—Radio Station—Spec. 5022—Bureau Yards & Docks, Navy Dept., Wash., D. C., high power radio station at U. S. Naval Academy, here, from H. E. Crook Co., 28 Light St., Baltimore, $2,434.

D. C., Wash.—Vault—Spec. 4984—Bureau Yards & Docks, Navy Dept., constructing vault at Naval Experiment and Research Laboratory, from C. A. Hofferth Constr. Co., Woodward Bldg., $10,630.

Va., Norfolk — Caisson Gate — Bureau Yards & Docks, Navy Dept., Wash., D. C., caisson gate for Dry Dock 1, here, from W. Cramp & Sons Ship & Engine Building Co., Richmond and Norris Sts., Phila., Pa., (1) $46,000 (2) $56,000.

Mo., St. Louis — Earthwork — Secretary Mississippi River Comn., 1311 International Life Bldg., 435,000 cu.yd. earthwork by hydraulic method in Sny Island L.D., Ill., from La Crosse Dredging Co., Plymouth Bldg., Minneapolis, Minn., $0.18 per cu.yd. Noted Sept. 18.

Wash., Vashon Island—Towers—Bureau Yards & Docks, Navy Dept., Wash., D. C., 4 steel towers on concrete foundations, at Naval Trial Course, here, from Bacon & Matheson Forge Co., 17 West Lander St., Seattle, Wash., (1) $4,341 (2) $1,121. Noted Aug. 28.

Calif., San Diego—Hospital—Spec. 5009—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending nurses quarters, from R. E. Campbell, 302 East Anaheim St., Long Beach, (1) $108,280 (2) deduct $200 (3) deduct $0.25. Noted Aug. 28.

CONTRACTS AWARDED

Pa., Pittsburgh—Lock Gates—U. S. Engineer Office, furnishing steel lock gates for Locks 12 and 13, Monongahela River, to J. Eichleay, Jr., 45 South 20th St., Pittsburgh, $23,780. Noted Aug. 7.

Ala., Florence—Crane—U. S. Engineer Office, furnishing one 10 ton electric traveling crane, for power house, at Wilson Dam, to Whiting Corp., Harvey, Ill., $8,750. Noted Sept. 4.

Ala., Florence—Steel Bars—U. S. Engineer, Florence, 129 tons mild steel bars, ⅜, ⅝ an 1 in. stock lengths, for Wilson Dam, to Gulf States Steel Co., B-M Bldg., Birmingham, $4,602.

Calif., San Bernardino — Road — U. S. Bureau Pub. Rds., 9 Main St., San Francisco, constructing Big Bear Forest Highway, San Bernardino Co., to William & Singleton, Colton, $41,342.

Unclassified

PROPOSED WORK

Cycledrome — Providence, R. I. — P. Laudati, 87 Weybosset St., plans large cycledrome, North Main St. $25,000. Engineer not selected.

Causeway—Greenwich, Conn.—Fairfield Co. (Bridgeport), plans causeway from Grass Island to Crosby Point in Greenwich Harbor. $65,000. H. L. Knapp, Chamber of Commerce, 319 Greenwich Ave., chn.

Transmission Line—New York—Central Hudson Gas & Electric Co., Washington Hollow, plans transmission line from Washington Hollow substation to Unionvale, and another line to Salt Point and Clinton Corners. $28,000.

Transmission Line—New York—Kingston Gas & Electric Co., Kingston, plans extending transmission and power lines from Kingston to West Hurley through Ulster and Kingston.

Transmission Line—New York—Upper Hudson Electric & R.R. Co., Durham, plans extending lines in Durham 3½ mi. to East Durham, and 4 mi. from Greenville town line to Freehold.

Elimination of Grade Crossing—Morgan, N. J. — State Hy. Dept., Trenton, plans elimination grade crossing, here. $112,000. Pennsylvania R.R. Broad St. Sta., Phila., and Middlesex Co. will appropriate toward cost. W. G. Sloan, state highway engr.

Wharf and Levee—New Orleans La.—Bd. Port Comrs., New Court House Bldg., reconstructing wharf and levee portion of Erato St. landing, from Dalgarn Constr. Co., Louisiana Bldg., $171,625.

Gas Holders, etc.—Fort Wayne, Ind.—North Indiana Gas & Electric Co., plans 2 gas holders, by-product building, screening station, quenching station, generator house, boiler house, truck scalehouse and produce house. $350,000.

Transmission Lines — Missouri — See "Buildings—Industrial" under Aurora.

Transmission Lines—St. Louis, Mo.—See "Buildings—Industrial."

Grand Stand — Dallas, Tex.— W. Morris, pres. Dallas Athletic Assn., Mercantile Bank Bldg., soon takes bids concrete and timber grandstand. $40,000. R. O. Jameson, Southwestern Life Bldg., engr.

Timber, etc. — Houston, Tex. — O. L. Holcombe, mayor, soon takes bids 150,000 ft. 3 x 8 x 20 ft. rough timber and 45,000 ft. 3 x 8 x 20 ft. rough creosoted timber.

Transmission Line—Oklahoma—Southern Light & Power Co., McAlester, made plans 55 mi. transmission line from McAlester south to Atoka, Coalgate and Wapanucka. $75,000. G. W. Skow, McAlester, engr.

Park and Playgrounds, etc. — Berkeley, Calif.—Plans election $500,000 bonds, laying

Unclassified (Continued)

out civic center, addition to City Hall, parks and playgrounds improvements, etc. J. N. Edy, city mgr.

Grandstand — Los Angeles, Calif. — Los Angeles Baseball Club, 1940 South Hill St., plans rein.-con. and steel grandstand.

Tunnel—Oakland, Calif.—See "Streets and Roads."

Power Development—Stockton, Calif.—El Dorado Power Co. subsidiary of Western States Gas & Electric Co., making plans power development on Silver Fork, incl. 9,980 ft. 66 in wood stave pipe line, storage dam, 7,500 ft. reservoir 150 ft. high, 500 ft. long on top, 50 ft. long on bottom, concrete gravity or arch type, and power plant to develop 24,100 hp. $3,000,000. Private plans.

Grain Elevators—Quebec, Que.—Harbor Comrs. made plans 3 grain elevators, rein.-con., 2,000,000 bu. capacity each. $6,000,000. A. Tremblay, Pointe A Cardy, ch. engr.

Oil Tank—Quebec, Que.—Quebec Harbor Comrs. made plans 200,000 gal. oil tank. $500,000. A. Tremblay, Pointe A Cardy, ch. engr.

Wharf—Quebec, Que.—Harbor Comrs. made plans 4,100 ft. concrete wharf, 60 ft. wide, 45 ft. high, with 2,700 ft. steel sheds, 100 ft. wide, 16 ft. high. $3,000,000. A. Tremblay, Pointe A Cardy, ch. engr.

BIDS DESIRED

Plumbing, etc.—Auburndale (Flushing P. O.), **N. Y.**—Oct. 6, by W. H. Gompert, supt. school buildings, Flatbush Ave., extension and Concord St., Brooklyn, plumbing, heating and ventilating apparatus, etc., in P. S. 130, 42nd Ave., here, for Bd. Educ., 500 Park Ave., New York.

Plumbing, etc.—Brooklyn, N. Y.—Oct. 21, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., plumbing, heating and ventilating apparatus, etc., for addition to P. S. 128, 84th St. and 21st Ave., for Bd. Educ., 500 Park Ave., New York.

Swimming Pool—Mt. Pleasant, N. Y.—Oct. 6, at office F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, swimming pool, at nurses home, Grasslands Hospital, here. Walker & Gillette, 128 East 37th St., New York City, archts.; adv. E. N.-R. Oct. 2.

Playground—New York, N. Y.—Oct. 6, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, new playground for P. S. 20, 167th and Tiffany Sts., here, for Bd. Educ., 500 Park Ave.

Plumbing—New York, N. Y.—Oct. 6, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, plumbing in P. S. 47, East 23rd St., about 170 ft. west of 2nd Ave., here, for Bd. Educ., 500 Park Ave.

Subway Structure Alterations, etc.—New York, N. Y.—Oct. 10, by Bd. Transportation, 49 Lafayette St., making alterations in railroad structure, Route 5, Sect. 8, to permit widening roadway of Lexington Ave. between 53rd and 60th Sts., Agreement "DJ"; also constructing portion Rapid Transit R.R. J. H. Delaney, chn.

Plumbing, etc.—St. George, N. Y.—Oct. 6, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, plumbing, heating and ventilating apparatus in P. S. 39, Sand Lane, here, for Bd. Educ., 500 Park Ave., New York.

Pavilion, etc.—Bellefonte, Pa.—Oct. 29, by H. S. Moore, chn. Building Com., 40 x 100 ft., brick and steel pavilion, and 50 x 50 ft. power plant, 30 ft. high, to furnish steam heat, electricity, etc., High St., for Bellefonte Hospital. $150,000.

Heating and Ventilating System — St. Louis, Mo.—Oct. 28, by Bd. Pub. Serv., 208 City Hall, heating and ventilating system in Union Market, Bway., 6th, Morgan and Lucas Sts. L. R. Bowen, 301 City Hall, engr. and archt.

Street Lighting System—Los Angeles, Calif.—Bd. Pub. Wks., taking bids 95 concrete standards on Adams St. between Vermont and Western Aves., and 144 pressed steel standards on Vine St. between Franklin and Melrose Aves.

Wharf—Miguasha, Que.—Oct. 14, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing wharf, here. $25,000. K. M. Cameron, ch. engr.

Caissons—Esquimalt, B. C.—Nov. 6, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., 2 steel floating caissons for new dry dock, here. To exceed $50,000.

BIDS RECEIVED

Freight Shed—New York, N. Y.—M. Cosgrove, comr. Docks, foot Battery Pl., North River, new freight shed on pier at foot of Roosevelt St., East River Contr. 1809, from McHarg-Barton Co., 1328 Bway., $72,716. Noted Sept. 18.

Heating and Ventilating—Johnstown, Pa.—See "Buildings—Commercial."

Seawall—Tampa Fla.—Hillsborough Co., constructing 2.25 mi. rein.-con. seawall, from McGucken & Edwards, 204 Nebraska Ave., $271,075. Noted July 17.

Car Shed—Shreveport, La.—Shreveport Railway Co., 1 story, 190 x 230 ft., brick and steel, Murphy St., from Glassell-Wilson, Shreveport, $64,934.

Harbor Improvements—Coronado, Calif.—Constructing harbor improvements, 9,000 tons large, and 5,000 tons small rock, 25,000 cu.yd. dredging, 800 lin.ft. bulkhead, 400 tons clay and gravel blanket, from C. Steffgen, Spreckles Bldg., San Diego, $112,395. Noted Aug. 28.

CONTRACTS AWARDED

Bleachers — Roxbury (Boston P. O.), **Mass.**—Grading and concrete bleachers in Williams Eustis Playground, to J. C. Coleman & Sons Co., 1620 Tremont St., $41,545. Noted Sept. 25.

Swimming Pool and Gymnasium—New Haven, Conn.—St. Francis Orphan Asylum, 125 Highland Ave., swimming pool and gymnasium, to L. J. Coffy, 40 Autumn St. Engrs. est. $80,000.

Fire Alarm System—Brooklyn, N. Y.—T. J. Drennan, fire comr., Municipal Bldg., New York, constructing portion of underground fire alarm system, here, to W. F. Kennedy Co., 44 East 23rd St., New York, $7,295. Noted Sept. 11.

Cement, Sand, Binder, Stone, etc. — Brooklyn, N. Y. — E. Riegelmann, boro pres., Boro Hall, to Hygrade Builders Supply Co., 6th St. and 2nd Ave., 7,000 cu.yd. asphalt sand $9,380, 7 000 bbl. Portland cement $19,320; to Warner-Quinlan Co., 79 Wall St., New York, 400,000 gal. asphaltic cement $22,520; to Calvin Tompkins Co., 30 Church St., New York, 6,000 cu.yd. binder stone $13,860; to J. Carney, 150 tons paving pitch $3,743; to T. E. McCormick, 810 Lincoln Rd., Flatbush, 5,000 cu.yd. concrete paving sand $5,375. Noted Sept. 4.

Heating, etc.—Birmingham, Ala.—See "Buildings—Commercial."

Elimination of Grade Crossing — Burr Oak (mail Corning), O.—Perry Co. (New Lexington) and Kanawha & Michigan Railway, 58 East Gay St., Columbus, grade crossing near here, to F. H. Beckler, Athens, about $40,000.

Dock—Superior, Wis.—Great Northern Railway, 4th and Jackson St., St. Paul, Minn., dismantling present timber dock and constructing rein.-con. and pile foundation for 724 ft. iron ore dock, 200 ft. wide, to contain 524 ore pockets, here, to Barnett & Record Co., Lyceum Bldg., Duluth, Minn. $1,000,000. Bids in 1925 for steel superstructure of above. Total cost $2,000,000. H. J. Seyton Superior, dist. engr.

Transmission Line — Nebraska — Continental Gas and Electric Co., Lincoln, will build 65 mi. transmission line between Lincoln and Plattsmouth, by day labor.

Transmission Line — Missouri—Missouri Power & Light Co., Mexico, will build 33,000 volt transmission line with distribution lines, etc., from Mexico to Moberly, by day labor. $145,000. Private plans.

Fish Hatchery—Tahlequah, Okla.—State, fish hatchery on Illinois River, cottages, etc., for State Game and Fish Warden Dept., to Daughterty, Nichols & Wilson, Muskogee. Archts. est. $40,000. Noted Aug. 21.

Transmission Line — Tacoma, Wash. — Commissioner Light & Water, 8,090 cu.yd. earth excav. and 870 cu.yd. rein.-con. work for footings of 4 large and 10 small towers, etc., for Item 1 of Narrows Crossing for Cushman Power Project Transmission Line, to Ward & Ward, 3924 North Cheyenne St., $33,047.

Town Site—Belmont, Calif.—Municipal Properties Co., c/o Bliss & Faville, archts., Balboa Bldg., San Francisco, subdividing 1,432 acres, and paving streets, curbs, gutters, water piping, etc., to Industrial Eng. Corp., Sharon Bldg., San Francisco. Plans also being made for club houses and other town structures. Total cost to exceed $1,500,000.

Lighting Systems—Los Angeles, Calif.—Ornamental lighting systems in portions of Rimpau Blvd. and 24th St., to Robertson Electric Co., Santa Ana, $12,333 and $17,433 respectively; in Sunset Blvd. between North Bway. and Sanborne Ave., to G. W. Kemper, P. O. Box 223, Venice, $160,689. Noted Aug. 21.

Pier—Port Burwell, Ont.—Dept. Pub. Wks., Ottawa, reconstructing east pier, stone and concrete, to Clifford Corp. Ltd., Three Rivers, Que., $45,600. Engrs. est. $50,000. Noted July 24.

Material and Equipment

PROPOSED WORK

Tractors — Milwaukee, Wis. — W. P. Cavanaugh, highway comr. Milwaukee Co., plans to purchase two caterpillar type tractors for snow plows.

BIDS DESIRED

Guard Rail Posts — Delaware — See "Streets and Roads."

Paving Material—St. Paul, Minn.—Oct. 7, by H. W. Austin, city purch. agt., 5,461 sq.yd. 3 in. vertical fibre brick, 1,190 bbl. Portland cement, etc., for paving Chicago Ave. between South Wabash and Robert Sts. G. M. Shepard, city engr.

Tractors—St. Paul, Minn.—Oct. 6, by Ramsey Co., two 5 ton Holt caterpillar tractors. (Bidders must agree to take two 5 ton Holts as part payment). P. N. Coates, 900 Guardian Life Bldg., engr.

Fuel Tank—Kansas City, Mo.—Hammond Bros., 1732 Grand Ave., taking bids one 12,000 gal. fuel tank for distillate, and one ¾ yd. dipper caterpillar shovel.

Tractor—Cuero, Tex.—Oct. 14, by S. Kulawik, judge De Witt Co., Court House, one 10 ton caterpillar tractor.

Tractor—San Antonio, Tex.—Oct. 30, by W. S. Kendall, aud. Bexas Co., c/o Courthouse, 10 ton tractor (crawler type), for use in Precinct 4. A. C. Pancoast, c/o Courthouse, engr.

Cement—Merced, Calif.—Oct. 11, by H. P. Sargent, secy. Merced Irrigation Dist., Barcroft Bldg., 350,000 bbls. or more Portland cement. R. V. Meikle, ch. engr.

Turbines—Merced, Calif.—Oct. 16, by Directors Merced Irrigation Dist., power plant equipment, two generators, 15,620 kva., 11,450 volt, 3 phase, 60 cycle, 257 r.p.m. with exciters and Kingsbury truss bearings, and two variable head turbines, 257 r.p.m. complete with governors, etc. R. V. Meikle, Barcroft Bldg., ch. engr.

Road Equipment—Santa Rosa, Calif.—Sonoma Co., in market for 12 ft. Mogul (Russell) grader, and combination scarifier, $2,150 and $565 respectively. E. A. Peugh, co. surv.

BIDS RECEIVED

Asphaltic Cement—New York, N. Y.—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., 300 tons asphaltic cement from Warner-Quinlan Co., 79 Wall St., $5,676; 1,000 cu.yd. macadam stone, from New Haven Trap Rock Co., 69 Church St., New Haven, Conn., $7,425; 1,000 cu.yd. asphaltic sand from Z. Mahoney, 557 46th St., Brooklyn, $1,300; motor gasoline from Bang Service Sta., $0.1351 per gal. Noted Sept. 18.

Reinforcing — Minneapolis, Minn. — Hennepin Co., Sept. 22, 280 tons reinforcing with option to buy 1,200 tons additional, for Mendota bridge over Mississippi River, from T. F. McCormick, 710 Pioneer Bldg., St. Paul, $13,823 and $72,272 respectively. Noted Sept. 18.

CONTRACTS AWARDED

Gasoline and Sand—New York, N. Y.—J. Miller, pres. Manhattan Boro., Municipal Bldg., 30,000 gal. gasoline, to Bang Service Sta., $4,410; and 2,000 cu.yd. concrete paving sand to Gallagher-Shand, Inc., 420 East 105th St., $2,980. Noted Sept. 18.

Ties and Timber—New York N. Y.—Bd. Transportation, 49 Lafayette St., ties and timber, Order 9, to Robinson Lumber Co., 20 West 34th St., $110,000. Noted Sept. 25.

Lumber—La., New Orleans—Bd. Port Comrs. New Court House Bldg. 520,000 ft. creosoted lumber, to Creosoted Materials Co., Hibernia Bank Bldg., $20,000; also piling to Amer. Creosoted Wks., Southport St., 425 piles, 85 ft. long, $0.53 per lin.ft., 20 piles, 75 ft. long, $0.45, and 30 piles, 70 ft. long, $0.43.

Sand, etc.—Milwaukee, Wis.—Dept. Pub. Wks., 5,000 to 10,000 cu.yd. sand or gravel, for refilling water trench from Riverside pumping station to Piphorn Marggraff Co., 1211 Humboldt Ave., at $1.40 cu.yd. delivered.

Cement—Manteca, Calif.—S. L. Steele, secy. South San Joaquin Irrigation Dist., 15,000 or more bbls. cement, to Cowell Lime & Cement Co., 2 Market St., San Francisco. Noted Sept. 18.

Gunite Sand, etc.—Manteca, Calif.—S. L. Steele, secy. South San Joaquin Irrigation Dist., 6,000 or more tons gunite sand. S. P. or T. S. delivery, to Arlington-Putnam, Escalon, at $1.08 per ton; 2,500,000 sq.ft. or more wire mesh reinforcing, to Stockton Hardware & Implement Co., Stockton, style A 17, 5 and 6 ft. wide $1.13, style A 17, 4 ft. wide $1.17, hexagon No. 18, $1.19½. Noted Sept. 18.

OFFICIAL PROPOSALS

Bids: Oct. 22.

Sewer Construction

CONTRACT NO. 1

Elgin, Ill.

Sealed proposals endorsed "Proposals for Intercepting Sewers, Contract No. 1" will be received by the Board of Trustees of the Sanitary District of Elgin, at its office, No. 12 Spurling Block, Elgin, Illinois, until 2:00 o'clock p.m. (Central Standard Time) on the 22nd day of October, 1924, and then will be publicly opened and read.

Alternative proposals are invited under the designations Division A and Division B. The work under Division A includes the construction of approximately 9000 feet of 18 inch to 48 inch main line sewer in and along the easterly bank of Fox River, together with approximately 5000 feet of tributary sewers, intercepting chambers, manholes and other appurtenances. The work under Division B includes the construction of approximately 8000 feet of 18 inch to 36 inch main line sewer across private property and in public streets, together with approximately 5000 feet of tributary sewers, two auxiliary pumping stations, intercepting chambers, manholes and other appurtenances. All work to be done in accordance with Plans and Specifications on file in the office of the Board of Trustees, No. 12 Spurling Block, Elgin, Illinois.

The work is in open cut and tunnel, including wet and dry excavation, back filling, disposal of surplus excavation, the placing of sewer pipe, concrete, brick work, iron castings, sheeting, bracing and other material as specified. For such labor and material, the Contractor is to be paid in cash.

Each proposal must contain the full name of every person or company interested in the same and must be accompanied by cash or a certified check on an Elgin bank made payable to the order of the President of the Sanitary District of Elgin in the amount of Ten Thousand ($10,000.00) Dollars. This sum is a guarantee that if the proposal is accepted, a contract will be entered into and its performance properly secured.

All proposals must be made upon blank forms furnished by the Sanitary District of Elgin and in accordance with "Requirements for Bidding" attached thereto.

The Board of Trustees of the Sanitary District of Elgin reserves the right to reject any or all bids, to waive or not to waive any informality in the bids received, and to accept or reject such items and divisions of the work as it seems most favorable to the Sanitary District of Elgin. No qualified or conditional bid will be considered.

Requirements for bidding, plans, specifications and forms of proposal, contract and contract bond may be obtained from the Clerk of the Sanitary District of Elgin, Illinois, upon the deposit of Fifteen ($15.00) Dollars, which sum so deposited will be refunded if said plans, specifications, etc., are returned in good condition within thirty (30) days after the opening of bids.

Dated this 22nd day of September, A. D. 1924.

SANITARY DISTRICT OF ELGIN, ILLINOIS
By E. N. HERBSTER,
President, Its Board of Trustees.
Attest: M. M. CLOUDMAN, Clerk.

Bids: Oct. 14.

Sanitary Sewers

Jackson, Tenn.,
Sept. 27th 1924.

Sealed proposals will be received by the undersigned until 10 o'clock A.M. on Tuesday October 14th, 1924, for the construction of Sanitary Sewers for the City of Jackson, Tenn., approximating 12,800 lineal feet of 15 inch outfall sewer, 7,000 lineal feet of 8 inch branch mains and 15,000 lineal feet of 6 inch sewer lines together with two inverted siphons, 60 manholes, Y's, bends and other necessary appurtenances all in accordance with plans and specifications now on file in the office of the City Commission. A certified check or bidder's bond for 10% of the amount of bid must accompany each bid. The right is reserved to reject any or all bids. At 10 o'clock A.M. on said date all bids will be opened and publicly read.

C. E. GRIFFIN,
Commissioner Public Utilities.
E. R. DIKE,
City Engineer.

OFFICIAL PROPOSALS

Bids: Oct. 20.

Borings

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

For the making of approximately 2,500 lin.ft. of borings to rock and 250 lin.ft. of core borings in rock, together with the furnishing of the required samples as produced by the said borings, the borings to be performed in the vicinity of the approach to the Hudson River Vehicular Tunnel for State Highway Route No. 1 Extension, Jersey City, Hudson County.

Bids will be received at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, October 20th, 1924, at twelve o'clock (12.00 Noon), Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and in the office of the State Highway Department, Trust Company of New Jersey Building, Jersey City, New Jersey, and may be obtained upon application at either of these points. Bids must be made on the proposal forms furnished in the manner designated in the specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and name and number of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00, and be delivered at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on or before the hour named.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: Oct. 20.

Road Work

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Construction of Route No. 4, Section No. 25A, Morgan Grade Crossing Elimination, in the County of Middlesex. Estimated 2,259 cu.yds. of Earth Excavation 75,000 cu.yds. Borrow; 4,273 sq.yds. Reinforced Concrete Pavement; 3,308 sq.yds. Gravel Surface.

Bids will be received at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, October 20th, 1924, at twelve o'clock (12.00 Noon), Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the specifications and must be enclosed in sealed addressed envelopes bearing the name and address of the bidder and name and number of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

BIDS: Oct. 15.

Sewers

Grand Rapids, Mich.

Sealed proposals will be received at the office of the Director of Public Service, in the City Hall, Grand Rapids, Michigan, up to 2 o'clock p.m., Central Standard Time, of Wednesday, the 15th day of October, 1924, for the construction of the Carlton-Lake Drive Project—CONTRACT F-3 consisting principally of the following items:

350 feet of 18-inch sewer, 6'-8' deep—open cut.

1950 feet of 24-inch sewer, 8'-19' deep—open cut.

2100 feet of 30-inch sewer, 8'-15' deep—open cut.

1500 feet of 36-inch sewer, 8'-24' deep—open cut or tunnel.

Acceptable construction materials for open cut construction will be vitrified clay pipe, reinforced or plain concrete cast in place, pre-cast plain or reinforced concrete pipes, vitrified clay or concrete (cup-type) segmental block.

For the construction of the portion in tunnel: plain concrete, brick, vitrified clay or concrete (cup-type) segmental block.

Payment will be made out of the proceeds of a general city bond issue, funds therefor being now on hand and appropriated for this purpose.

The required date of completion is December 1, 1925.

Copies of the Plans and Specifications according to which the work is to be done are on file in the office of the Sanitary Engineer, City Hall, and can be obtained for bidding purposes by making a deposit of ten dollars, which will be refunded upon the return of the Plans and Specifications on or before October 25, 1924.

A certified check in the sum of Three Thousand Dollars ($3,000.00) will be required with each proposal.

The right is reserved by the City to accept any proposal to reject any or all proposals, and to waive defects in proposals.

FRED H. LOOKE,
City Manager.

Bids Oct. 10.

Road Improvement

CONTRACT 12, STATE OF NEW YORK
BY WESTCHESTER COUNTY
PARK COMMISSION

Bronxville, N. Y.

Sealed bids will be received by the Westchester County Park Commission until 11.00 A.M. October 10th, 1924 at its office No. 72 West Pondfield Road, Bronxville, N. Y., for the Grading and Improving of the State Parkway from the State Camp Dock to the Bear Mountain Bridge Approach Road at Roa Hook, Peekskill, N. Y., the work covering a distance of 2000 ft. and including a concrete culvert of 12 foot span.

Pamphlets containing information for Bidders, Form of Proposal, Specifications, and Contract Drawings may be obtained by intending bidders at the above address by depositing $5.00. The right is reserved to reject any or all bids.

Westchester County Park Commission.
By JAY DOWNER,
Chief Engineer.
Dated: Bronxville, N. Y. Sept. 19, 1924.